6437818

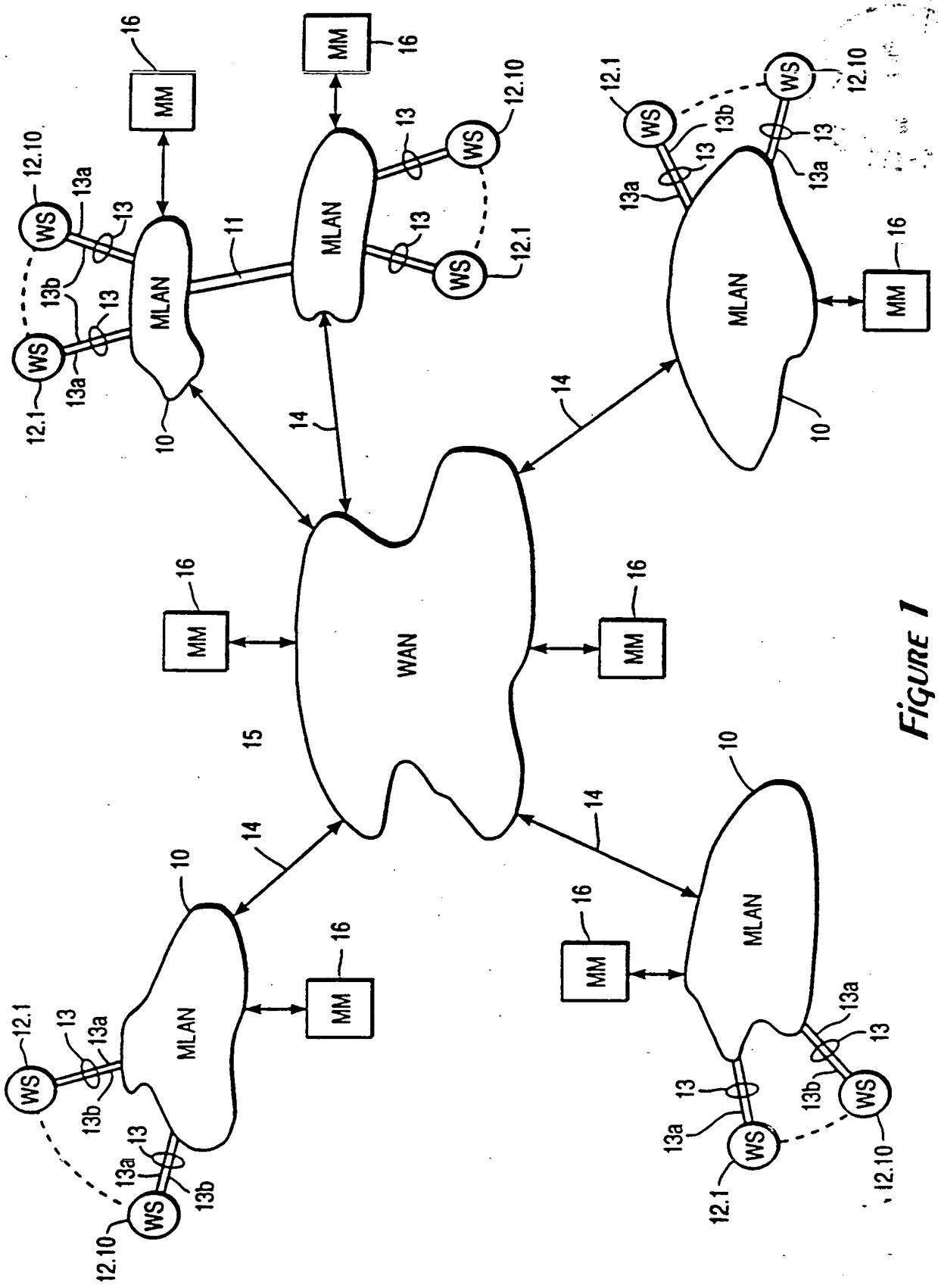

FIGURE 1

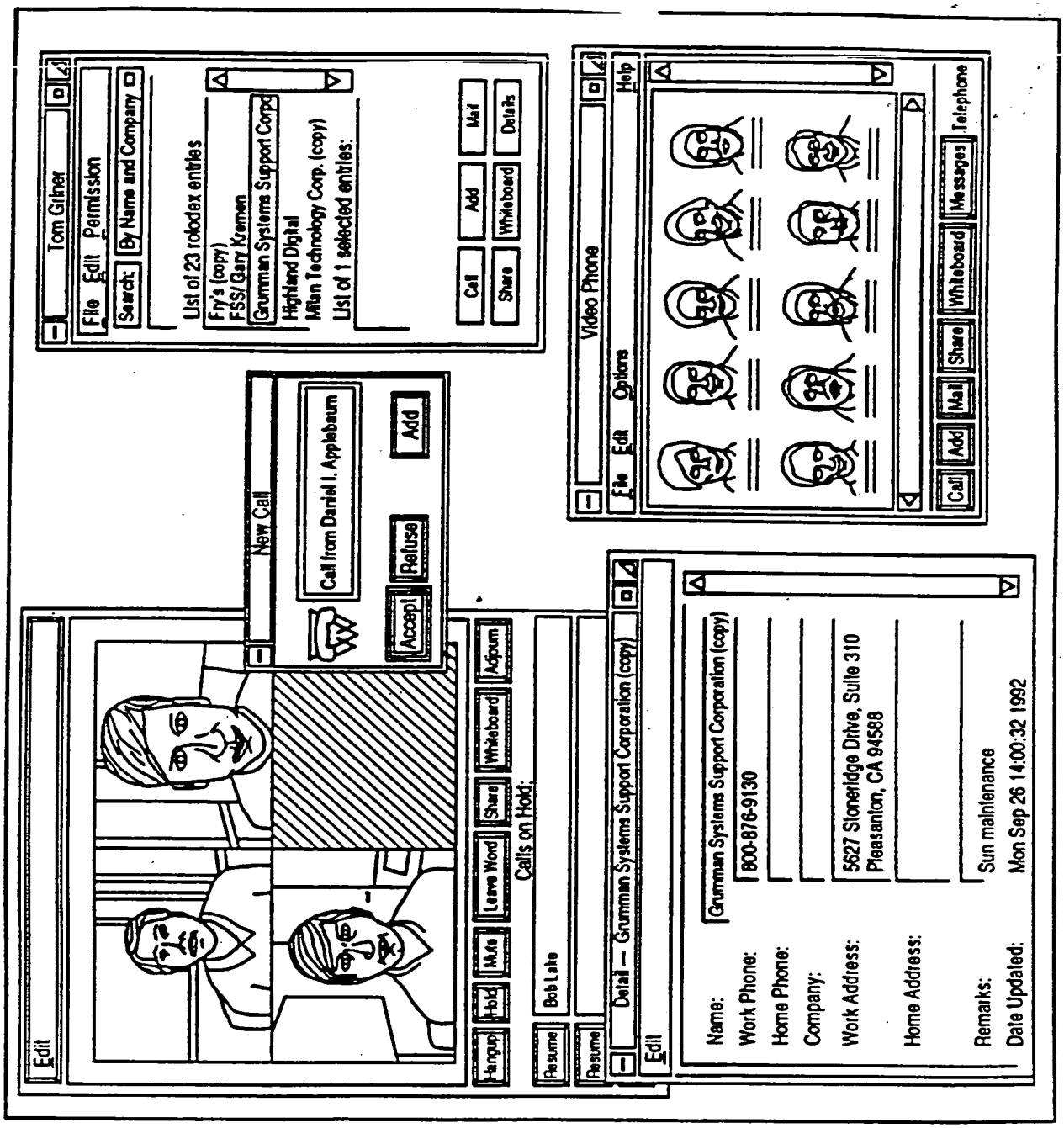
Tom Gitner
File Edit Permission
Search:
By Name and Company
List of 23 rolodex entries
Fry's (copy)
FSS/ Gary Kremen
Grumman Systems Support Corpo
Highland Digital
Milan Technology Corp. (copy)
List of 1 selected entries:
Call
Add
Mail
Share
Whiteboard
Details
Video Phone
File Edit Options Help
Call
Add
Mail
Share
Whiteboard
Messages
Telephone
New Call
Call from Daniel I. Applebaum
Accept
Refuse
Add
Edit
Hangup
Hold
Mute
Leave Word
Share
Whiteboard
Adjourn
Calls on Hold:
Bob Lake
Resume
Resume
Detail -- Grumman Systems Support Corporation (copy)
Edit
Name:
Grumman Systems Support Corporation (copy)
Work Phone:
800-876-9130
Home Phone:
Company:
Work Address:
5627 Stoneridge Drive, Suite 310
Pleasanton, CA 94588
Home Address:
Remarks:
Sun maintenance
Date Updated:
Mon Sep 26 14:00:32 1992

FIGURE 2A

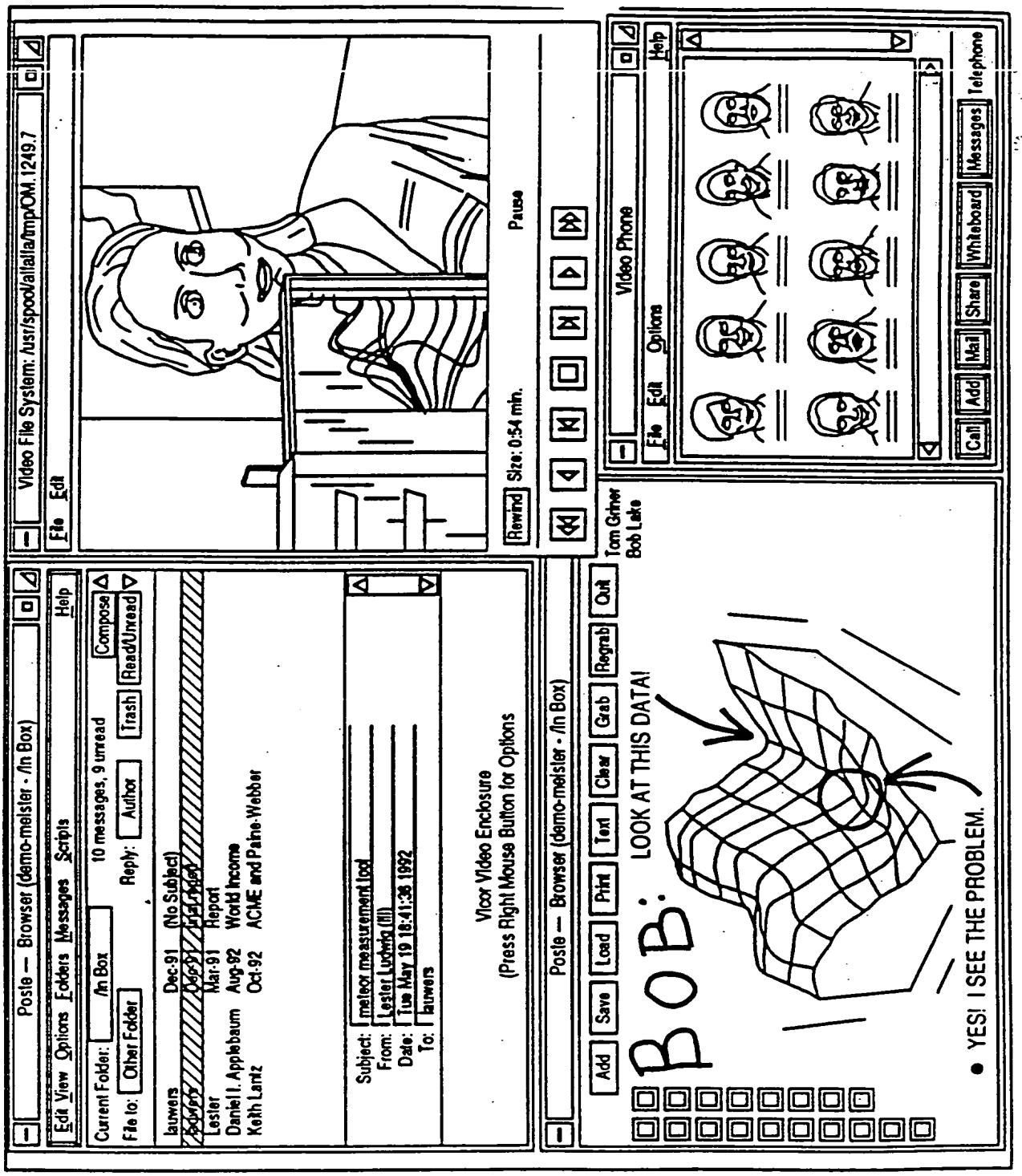
Video File System: /usr/spool/ailla/tmpOM.1249.7
File Edit
Rewind
Size: 0:54 min.
Pause
Poste — Browser (demo-meister - /In Box)
Edit View Options Folders Messages Scripts Help
Current Folder: /In Box
10 messages, 9 unread
Compose
File to: Other Folder
Reply: Author
Trash
Read/Unread
lauwers
Lester Dec-91 (No Subject)
Daniel I. Applebaum Mar-91 Report
Keith Lantz Aug-92 World Income
Oct-92 ACME and Paine-Webber
Subject: meteor measurement load
From: Lester Ludwig (III)
Date: Tue May 19 18:41:38 1992
To: lauwers
Vicor Video Enclosure
(Press Right Mouse Button for Options
Poste — Browser (demo-meister - /In Box)
Add Save Load Print Text Clear Grab Regrab Quit
Video Phone
File Edit Options Help
Tom Griner
Bob Lake
Call Add Mail Share Whiteboard Messages Telephone
BOB:
LOOK AT THIS DATA!
• YES! I SEE THE PROBLEM.

FIGURE 2B

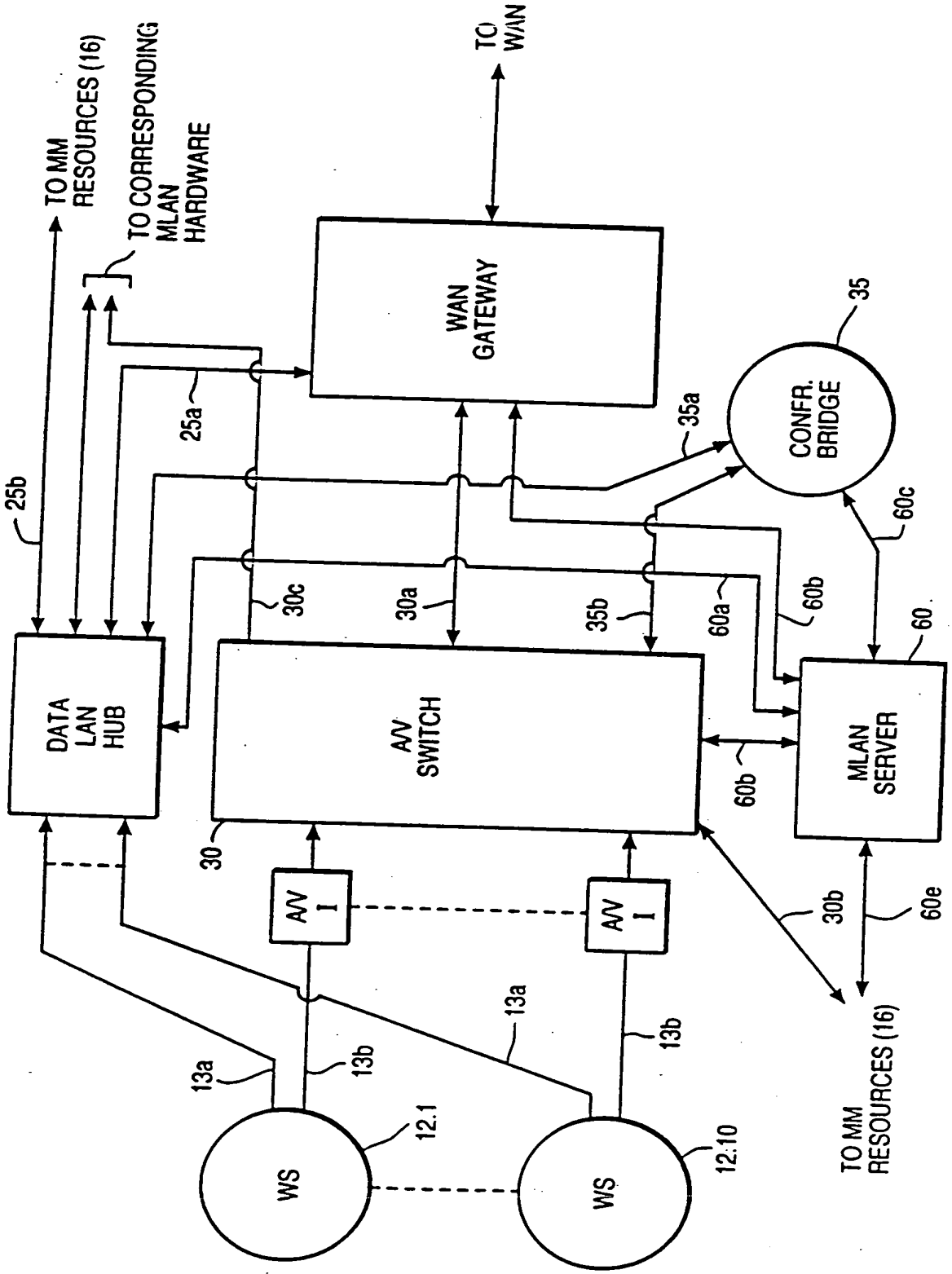
TO MM RESOURCES (16)
TO CORRESPONDING MLAN HARDWARE
TO WAN
WAN GATEWAY
CONFR. BRIDGE
35
35a
25a
25b
60c
30c
30a
35b
60a
60b
60
DATA LAN HUB
A/V SWITCH
MLAN SERVER
30
60b
A/V I
A/V I
30b
60e
13a
13b
13a
13b
12.1
12.10
WS
WS
TO MM RESOURCES (16)

FIGURE 3

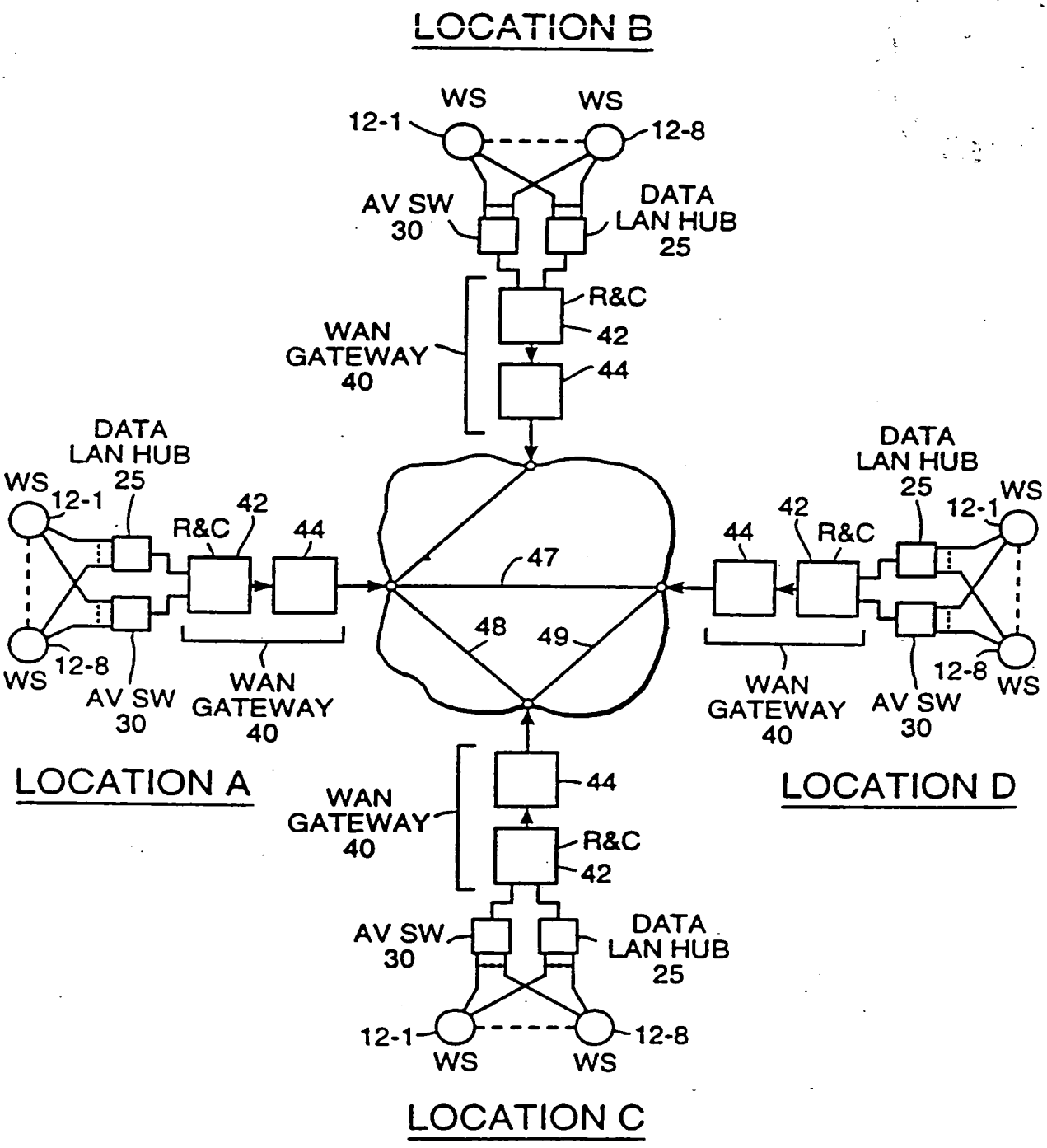
LOCATION B
WS
WS
12-1
12-8
AV SW
30
DATA
LAN HUB
25
R&C
42
WAN
GATEWAY
40
44
DATA
LAN HUB
25
WS
12-1
42
R&C
44
47
48
49
WS
12-8
AV SW
30
WAN
GATEWAY
40
LOCATION A
LOCATION D
LOCATION C

FIGURE 4

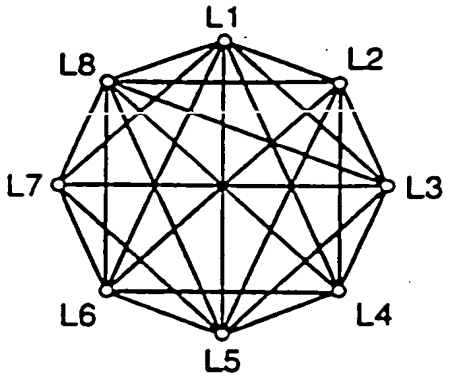

FIGURE 5

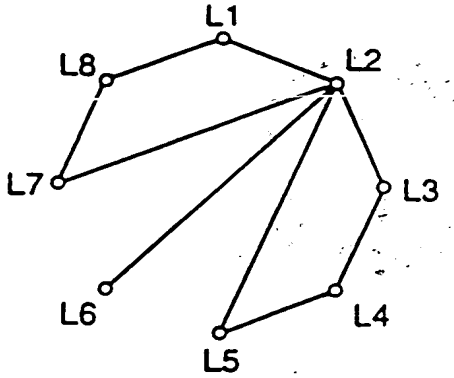

FIGURE 6

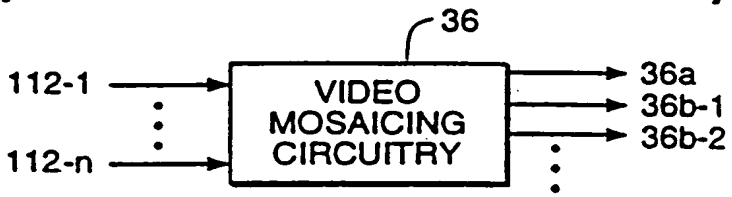

FIGURE 7

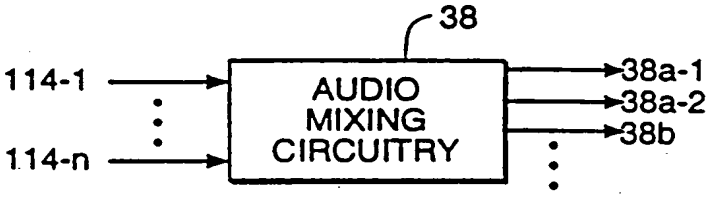

FIGURE 9

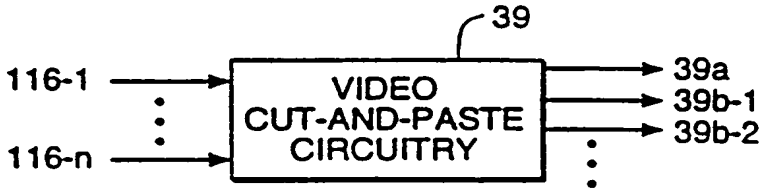

FIGURE 10

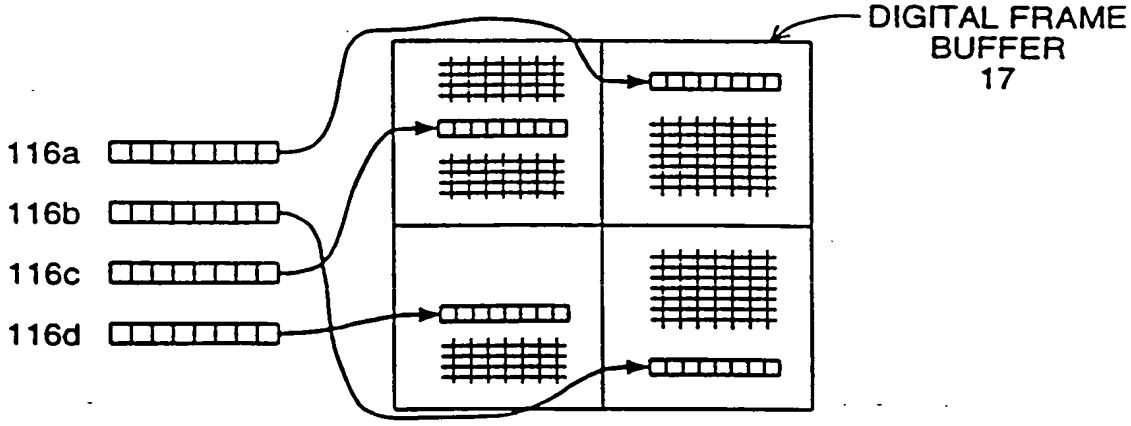

FIGURE 11

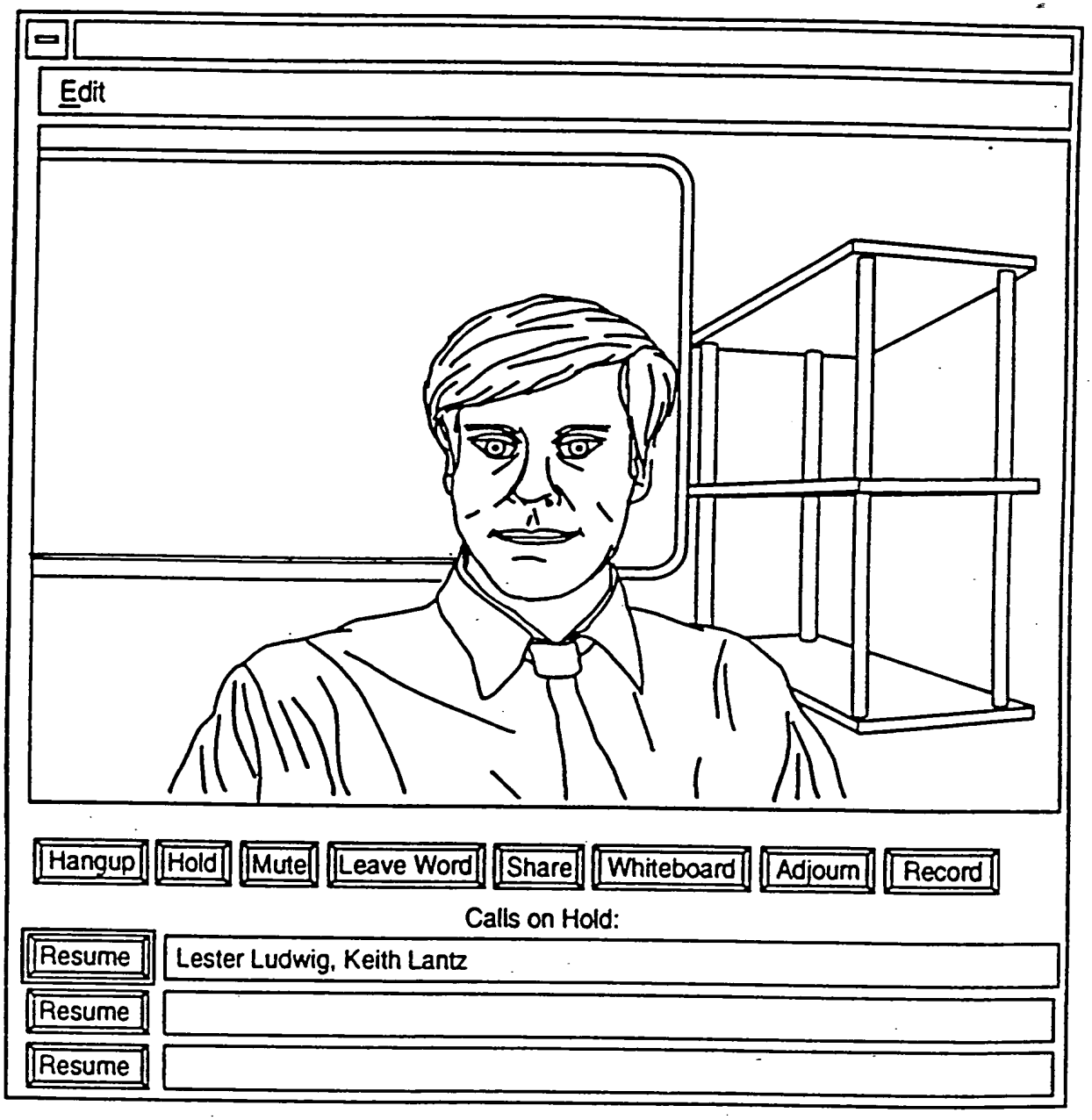
Edit
Hangup
Hold
Mute
Leave Word
Share
Whiteboard
Adjourn
Record
Calls on Hold:
Resume
Lester Ludwig, Keith Lantz
Resume
Resume

FIGURE 8A

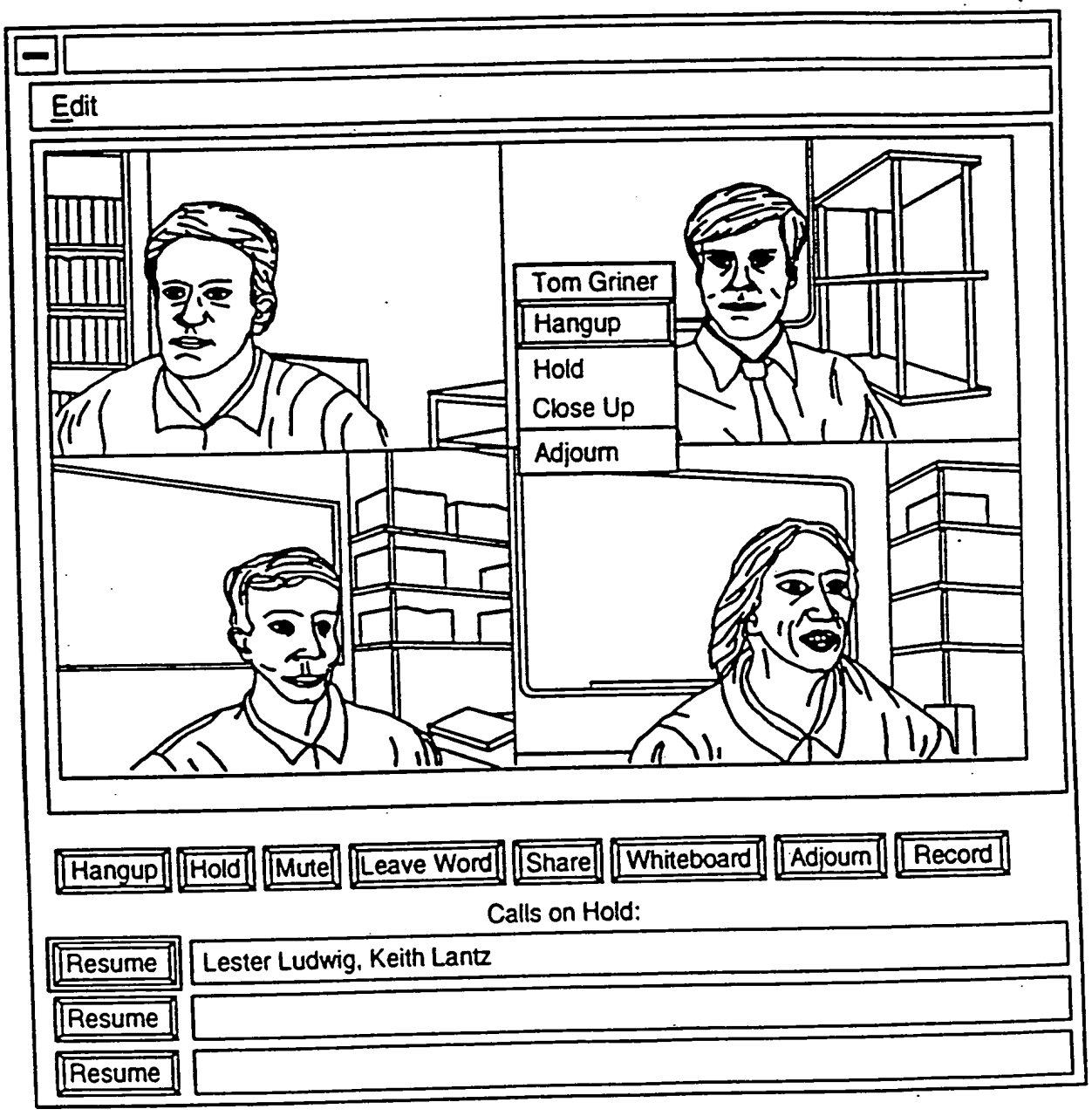
Edit
Tom Griner
Hangup
Hold
Close Up
Adjourn
Hangup
Hold
Mute
Leave Word
Share
Whiteboard
Adjourn
Record
Calls on Hold:
Resume
Lester Ludwig, Keith Lantz
Resume
Resume

FIGURE 8B

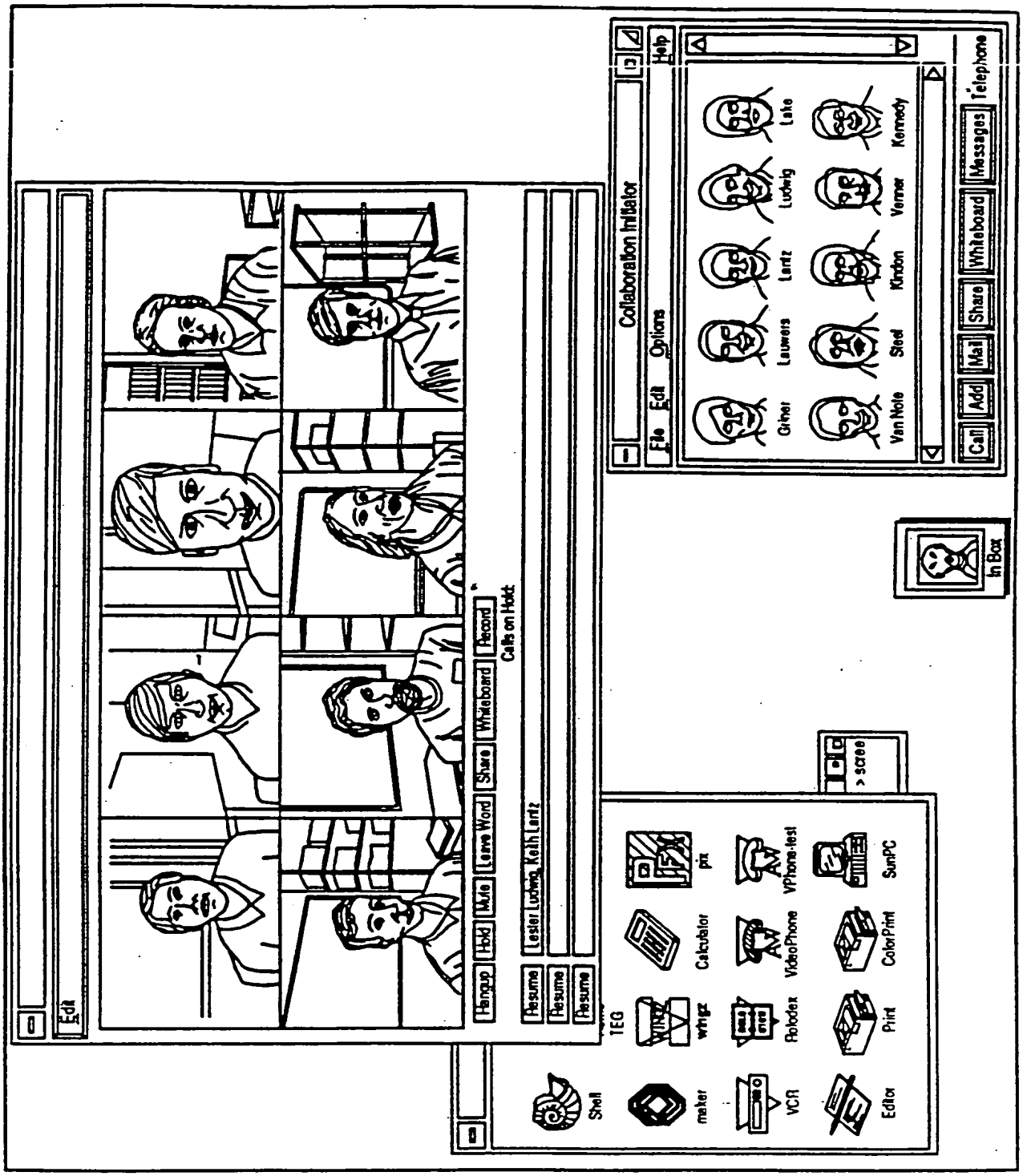
Collaboration Initiator
File Edit Options
Help
Call
Add
Mail
Share
Whiteboard
Messages
Telephone
Gilhar
Lauwers
Lantz
Ludwig
Lake
Van Nole
Steel
Kinton
Varner
Kennedy
In Box
Edit
Hangup
Hold
Mute
Leave Word
Share
Whiteboard
Record
Calls on Hold:
Lester Ludwig, Keith Lantz
Resume
Resume
Resume
Shell
maker
VCR
Editor
TEG
whiteboard
Rolodex
Print
Calculator
VideoPhone
ColorPrint
pix
VPhone-test
SunPC
> screen

FIGURE 8C

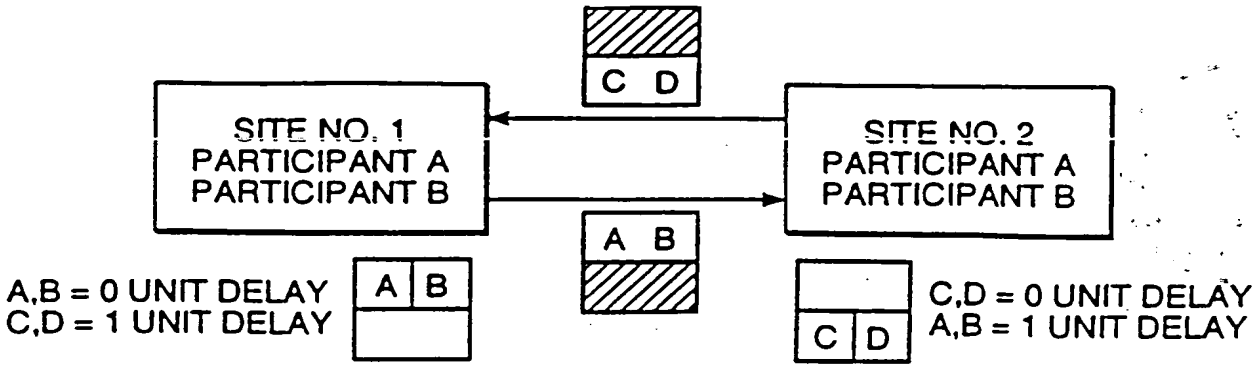

FIGURE 12A

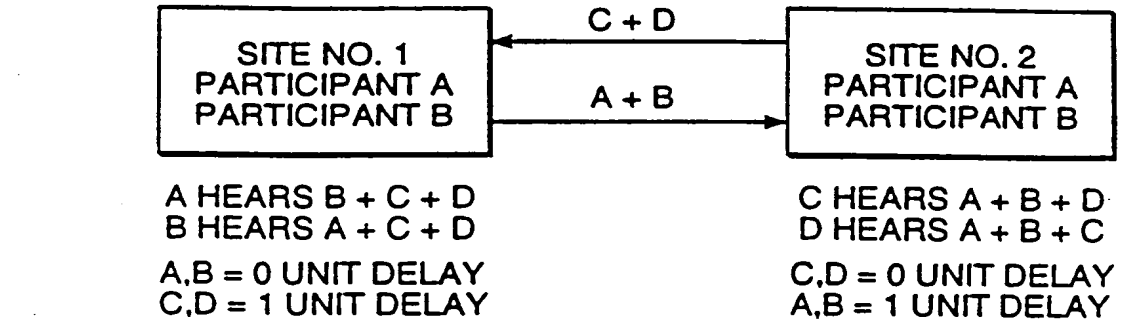

FIGURE 12B

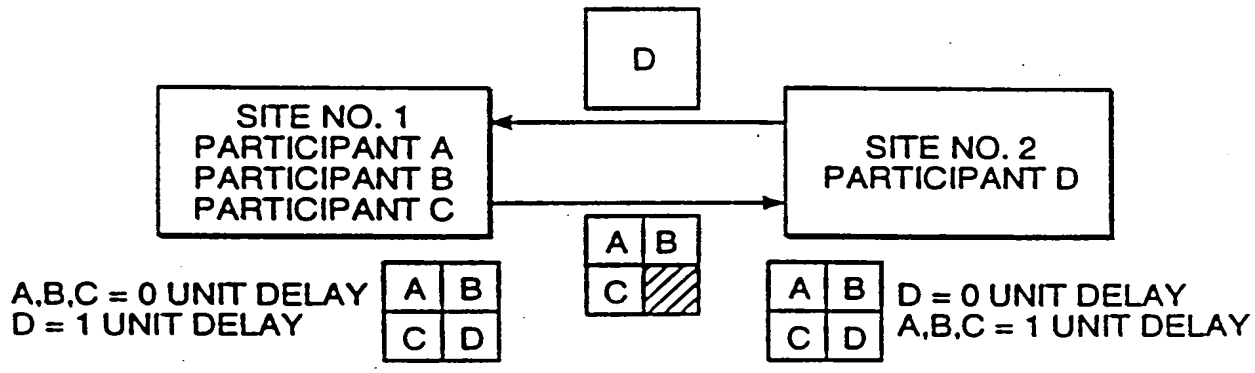

FIGURE 13A

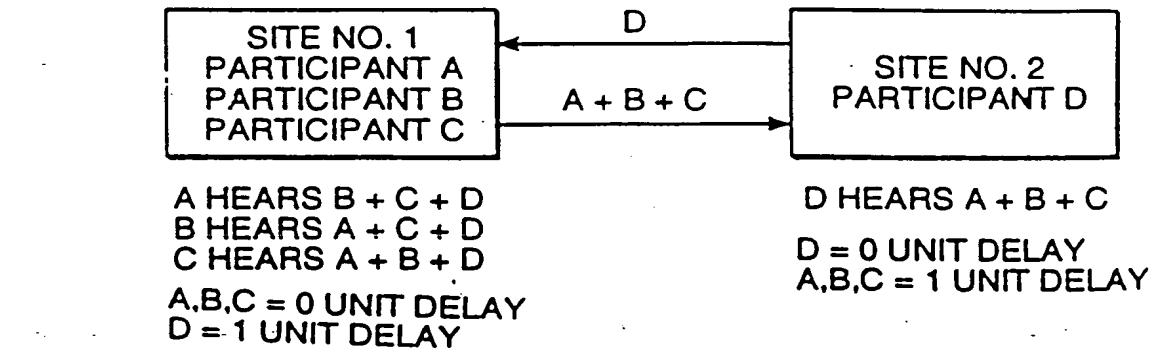

FIGURE 13B

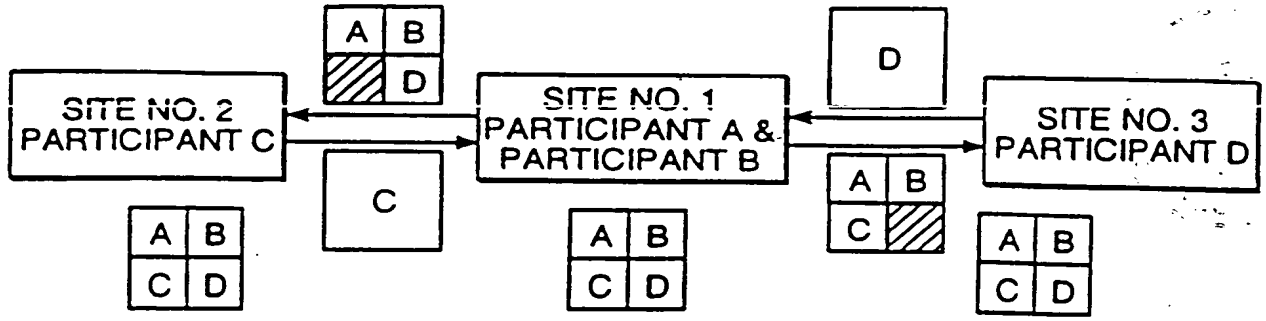

FIGURE 14A

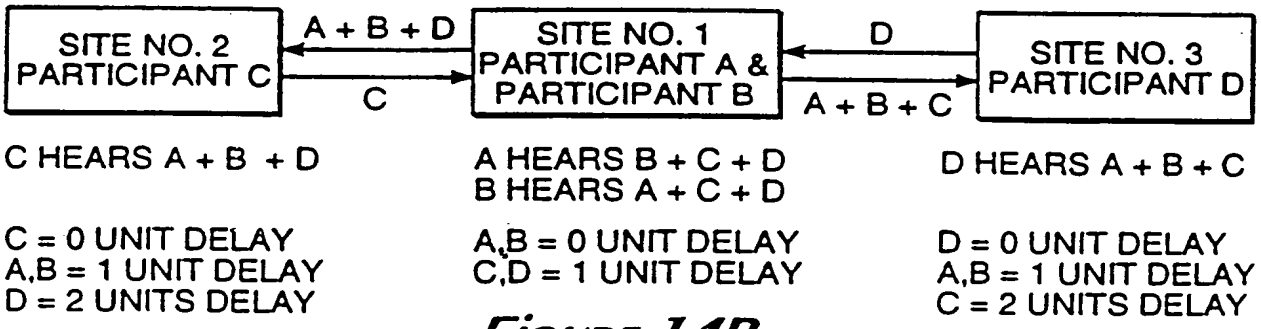

FIGURE 14B

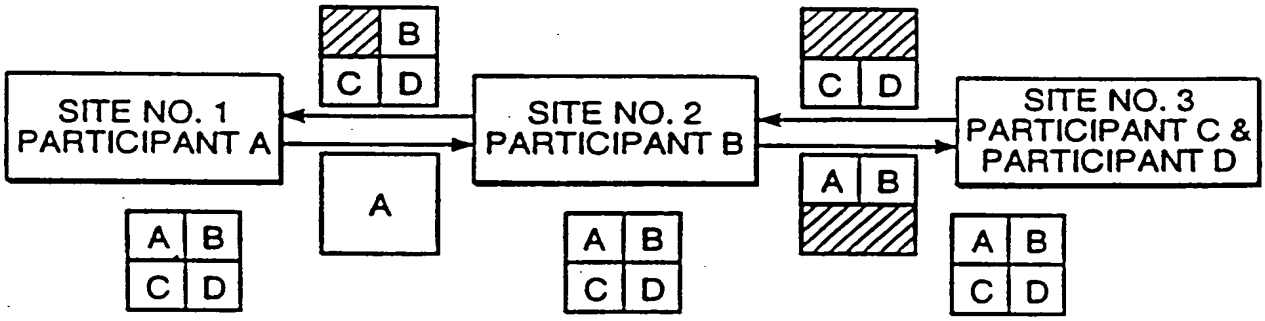

FIGURE 15A

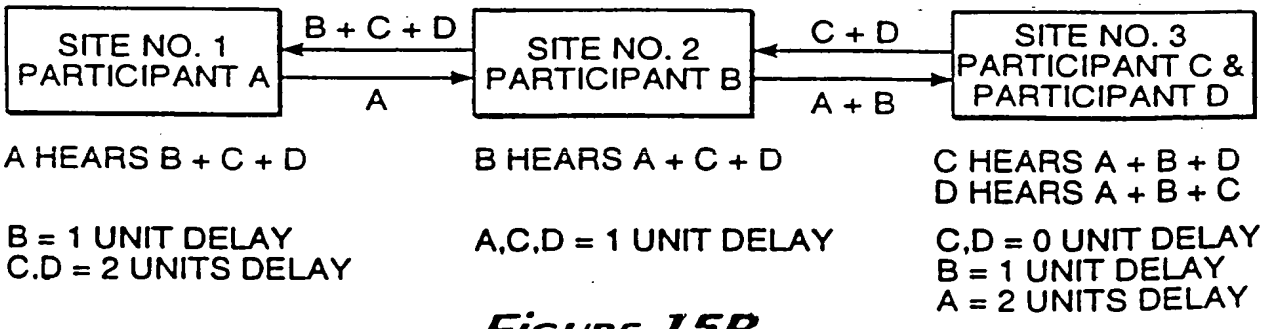

FIGURE 15B

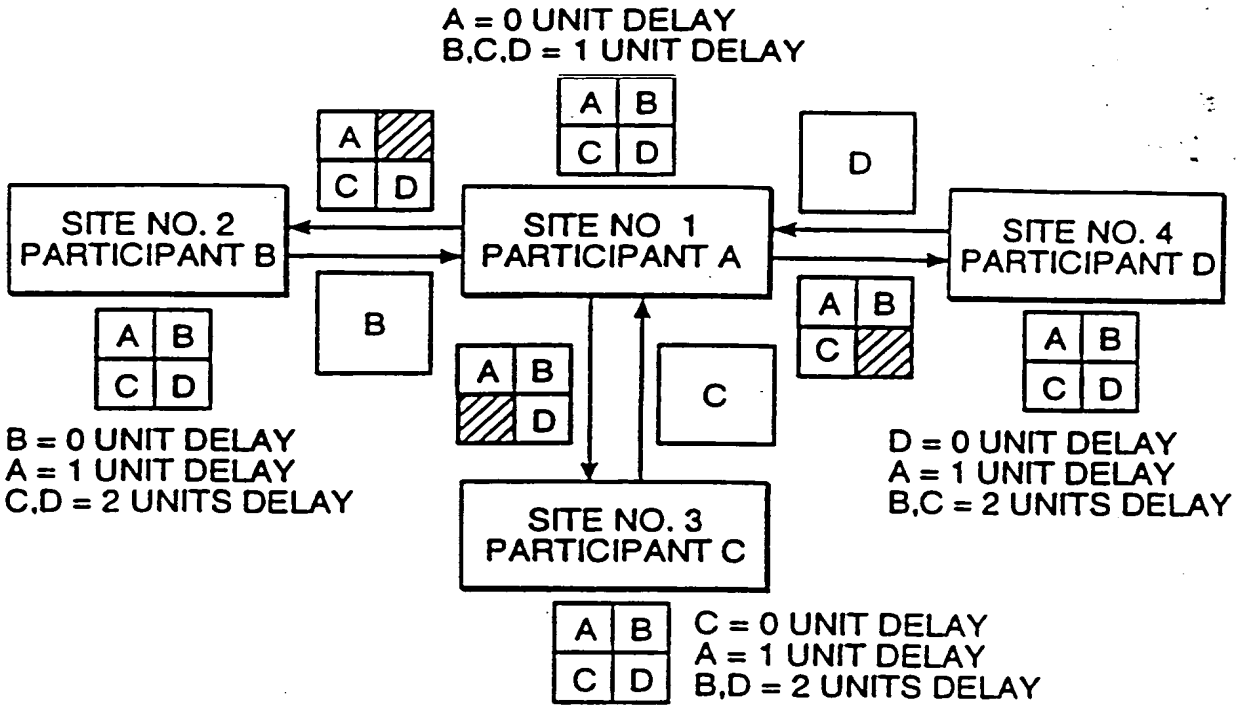
A = 0 UNIT DELAY
B,C,D = 1 UNIT DELAY
SITE NO. 2
PARTICIPANT B
SITE NO 1
PARTICIPANT A
SITE NO. 4
PARTICIPANT D
SITE NO. 3
PARTICIPANT C
B = 0 UNIT DELAY
A = 1 UNIT DELAY
C,D = 2 UNITS DELAY
D = 0 UNIT DELAY
A = 1 UNIT DELAY
B,C = 2 UNITS DELAY
C = 0 UNIT DELAY
A = 1 UNIT DELAY
B,D = 2 UNITS DELAY

FIGURE 16

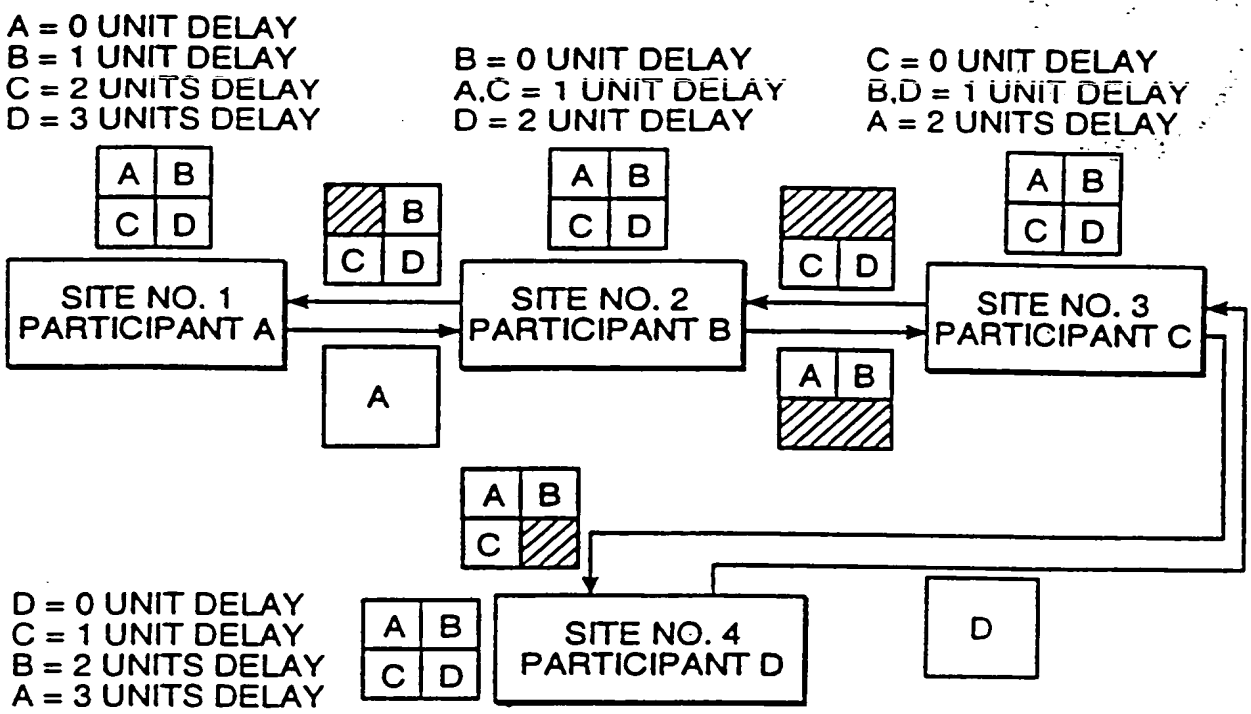

FIGURE 17A

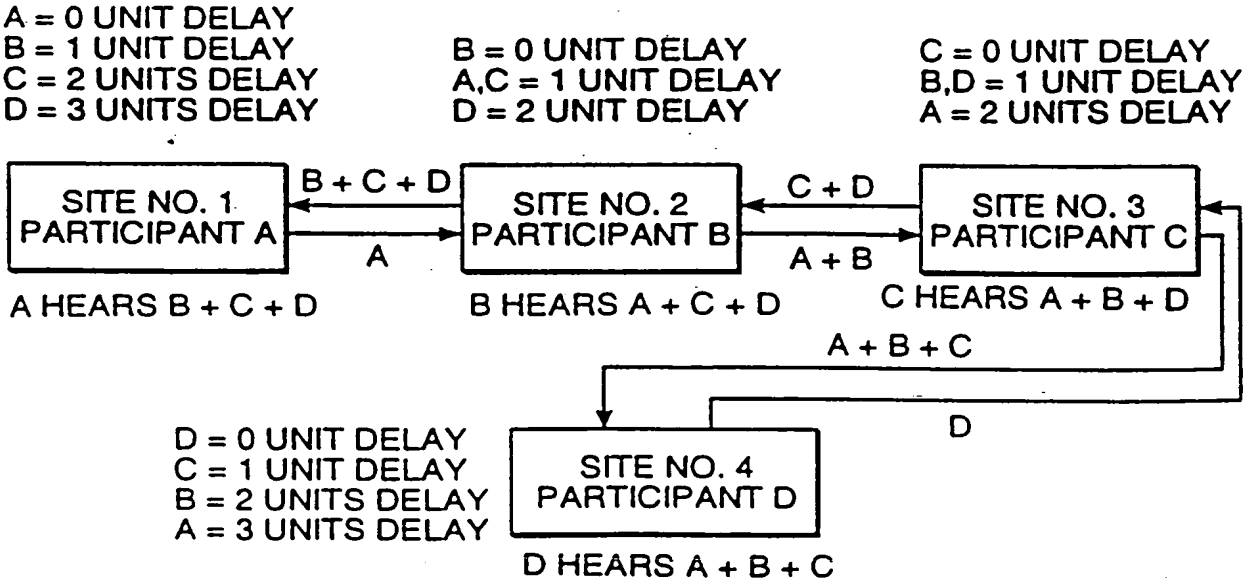

FIGURE 17B

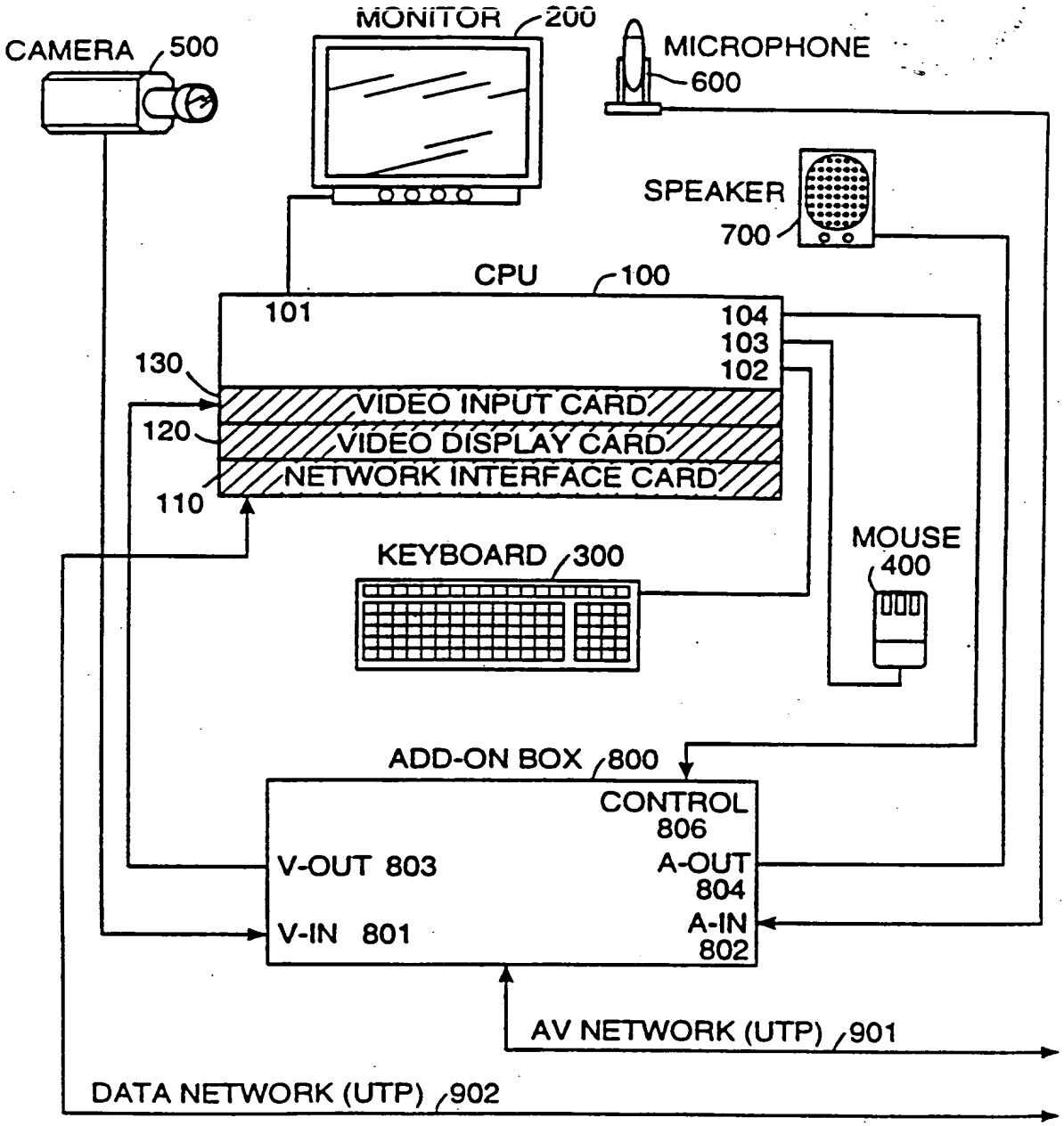
MONITOR 200
CAMERA 500
MICROPHONE
600
SPEAKER
700
CPU 100
101
104
103
102
130
VIDEO INPUT CARD
120
VIDEO DISPLAY CARD
NETWORK INTERFACE CARD
110
KEYBOARD 300
MOUSE
400
ADD-ON BOX 800
CONTROL
806
V-OUT 803
A-OUT
804
V-IN 801
A-IN
802
AV NETWORK (UTP) 901
DATA NETWORK (UTP) 902

FIGURE 18A

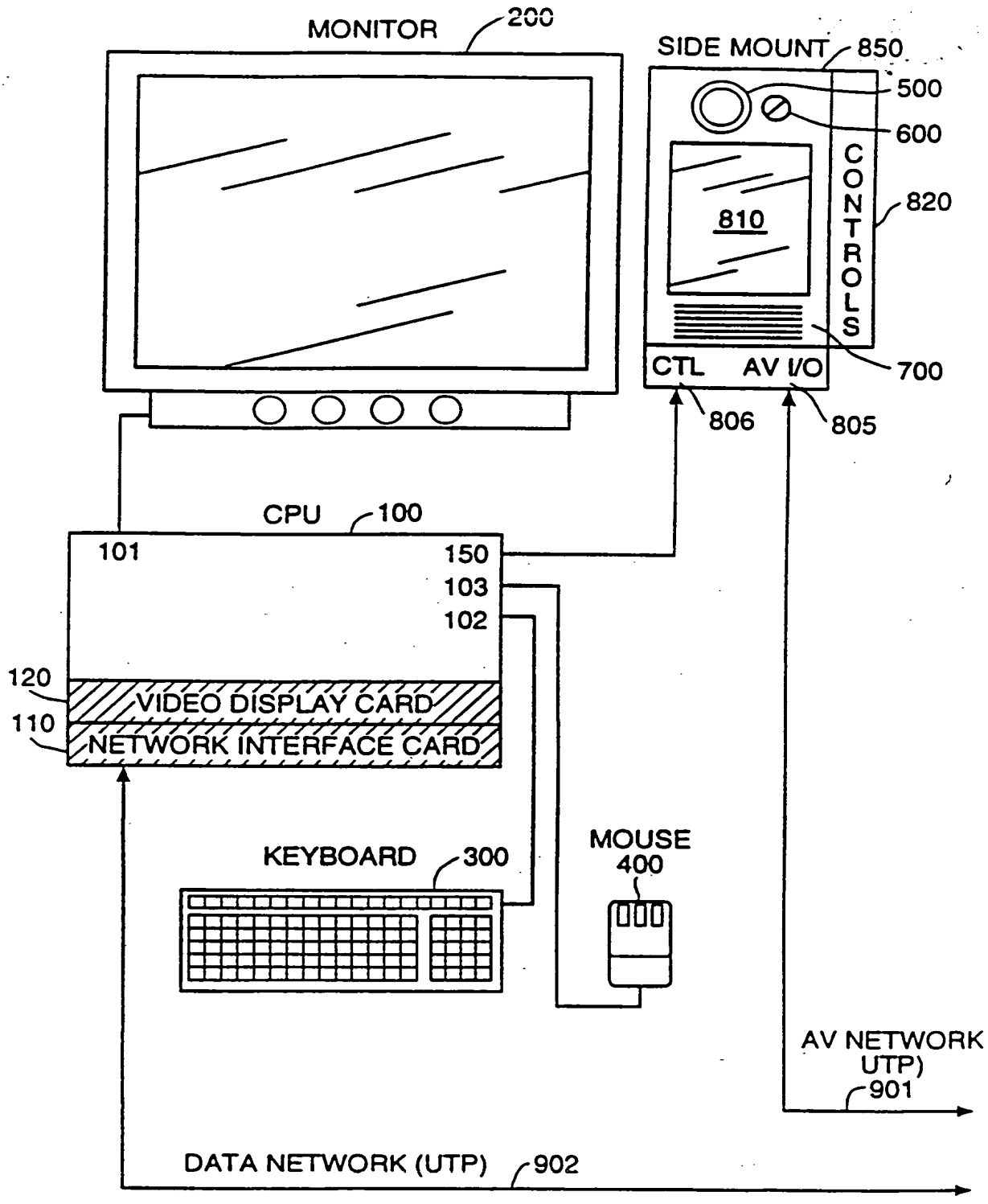
MONITOR
200
SIDE MOUNT
850
500
600
810
CONTROLS
820
CTL
AV I/O
700
806
805
CPU
100
101
150
103
102
120
VIDEO DISPLAY CARD
110
NETWORK INTERFACE CARD
KEYBOARD
300
MOUSE
400
AV NETWORK
UTP)
901
DATA NETWORK (UTP)
902

FIGURE 18B

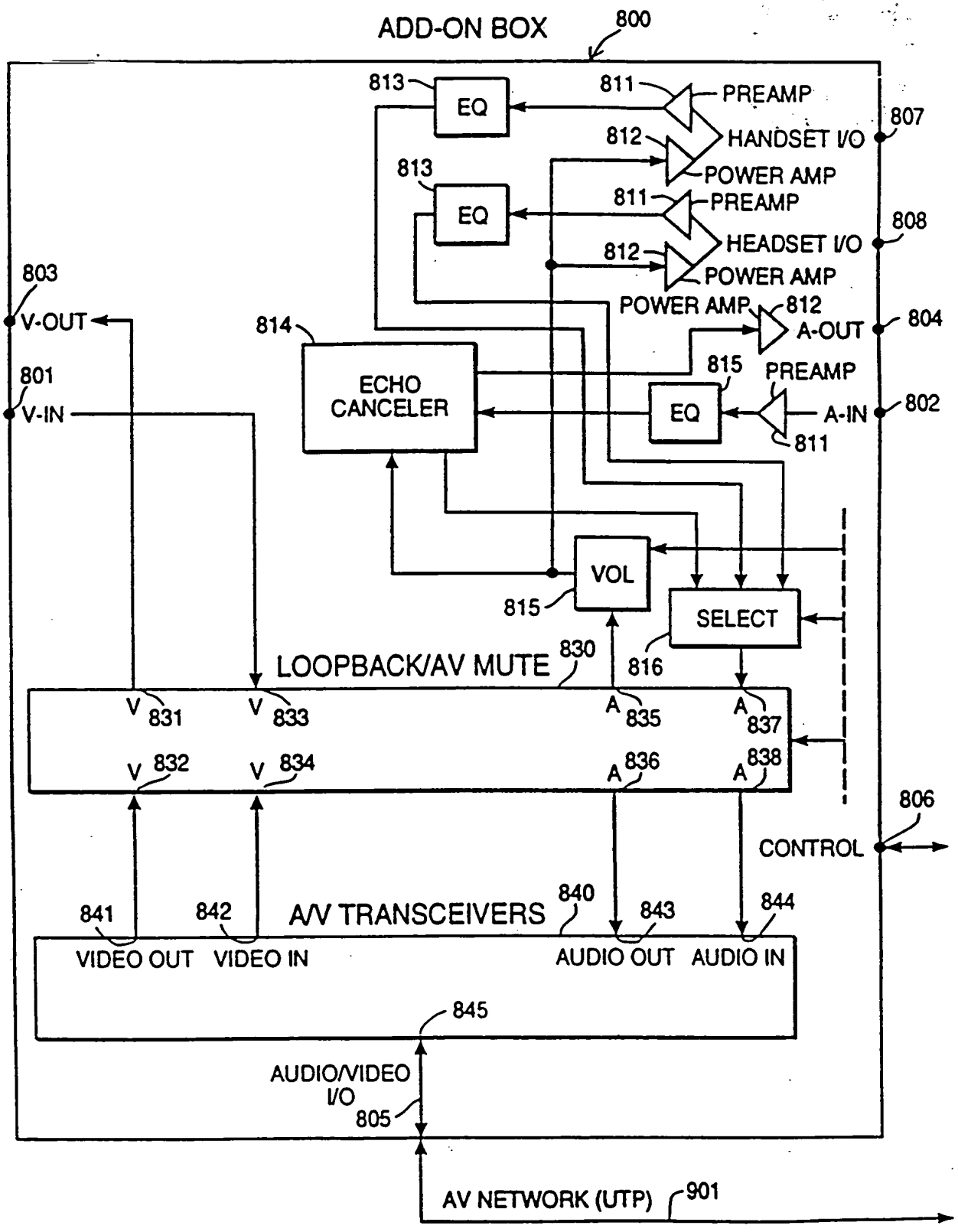
ADD-ON BOX
800
813
EQ
811
PREAMP
812
HANDSET I/O
POWER AMP
807
813
EQ
811
PREAMP
812
HEADSET I/O
POWER AMP
808
803
V-OUT
POWER AMP
812
A-OUT
804
814
ECHO CANCELER
815
EQ
PREAMP
A-IN
802
801
V-IN
811
VOL
815
SELECT
816
LOOPBACK/AV MUTE
830
V 831
V 833
A 835
A 837
V 832
V 834
A 836
A 838
806
CONTROL
841
842
A/V TRANSCEIVERS
840
843
844
VIDEO OUT
VIDEO IN
AUDIO OUT
AUDIO IN
845
AUDIO/VIDEO I/O
805
AV NETWORK (UTP)
901

FIGURE 19

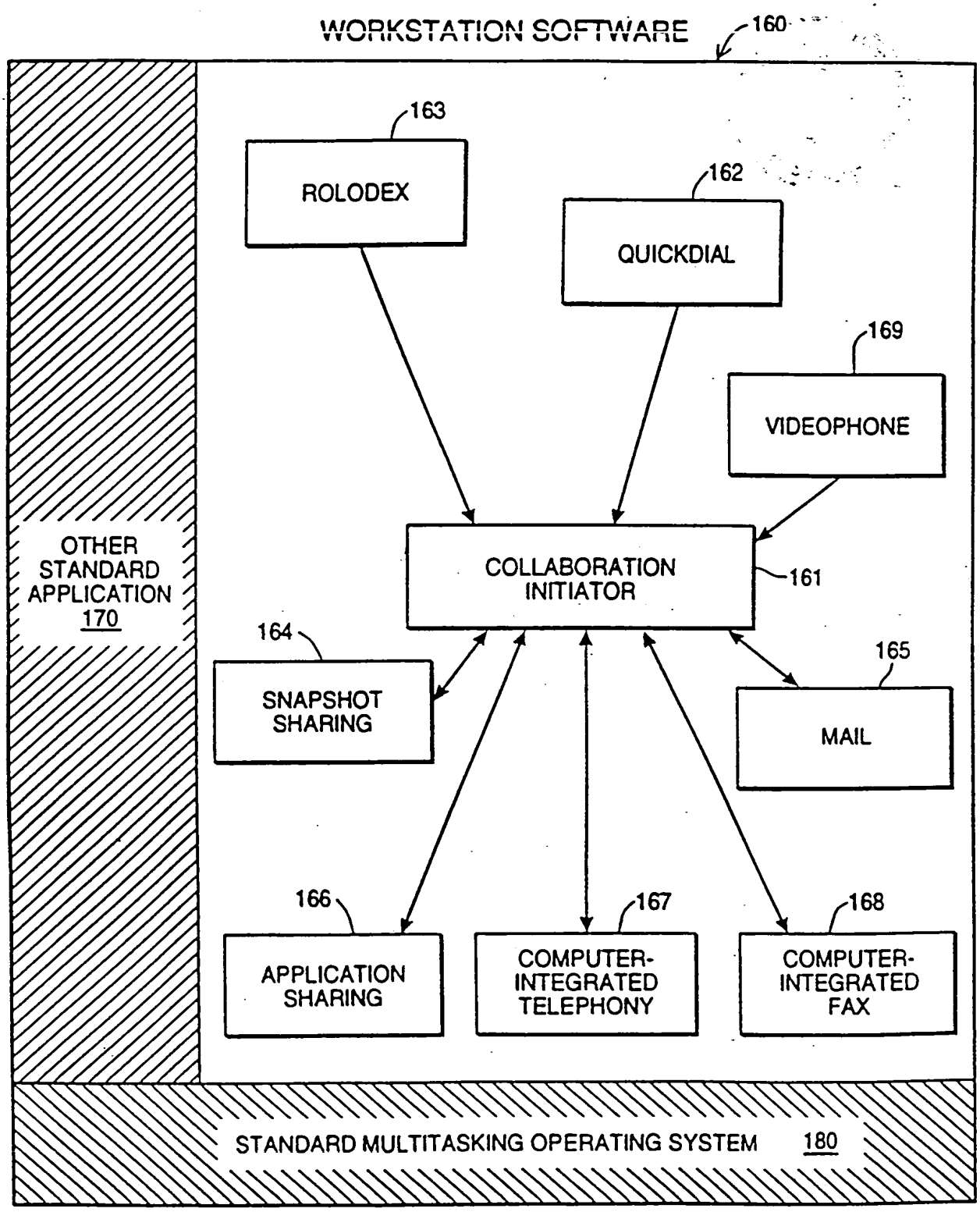
WORKSTATION SOFTWARE
160
163
ROLODEX
162
QUICKDIAL
169
VIDEOPHONE
OTHER STANDARD APPLICATION 170
COLLABORATION INITIATOR
161
164
SNAPSHOT SHARING
165
MAIL
166
APPLICATION SHARING
167
COMPUTER-INTEGRATED TELEPHONY
168
COMPUTER-INTEGRATED FAX
STANDARD MULTITASKING OPERATING SYSTEM 180

FIGURE 20

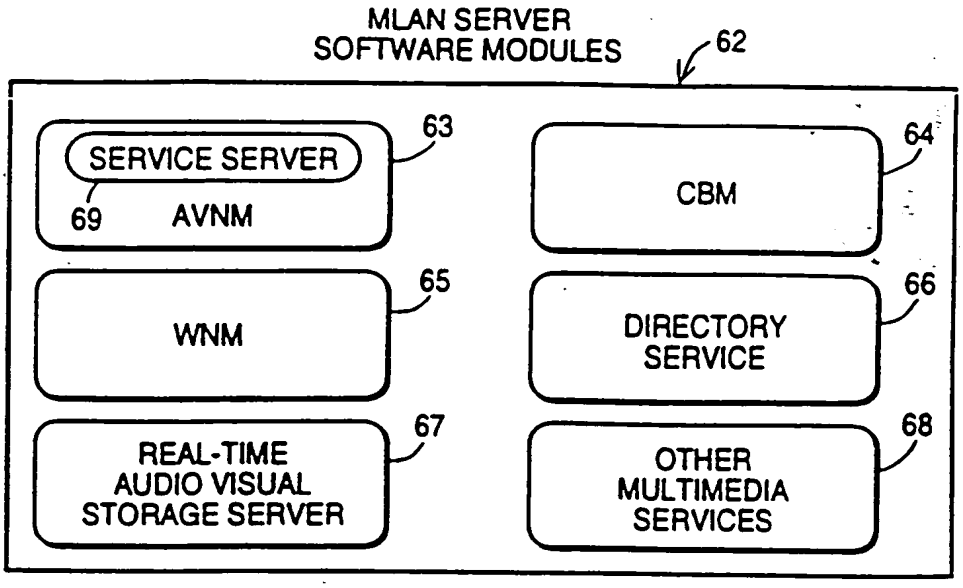

FIGURE 21

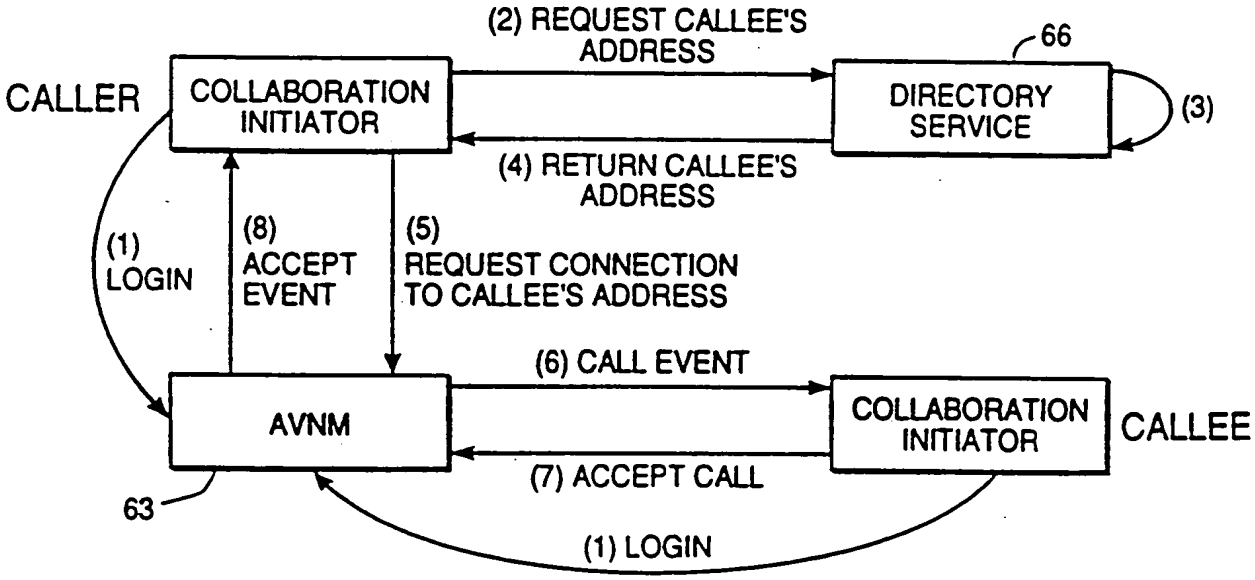

FIGURE 23

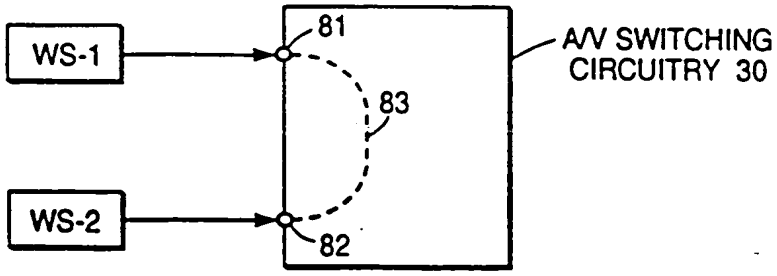

FIGURE 24

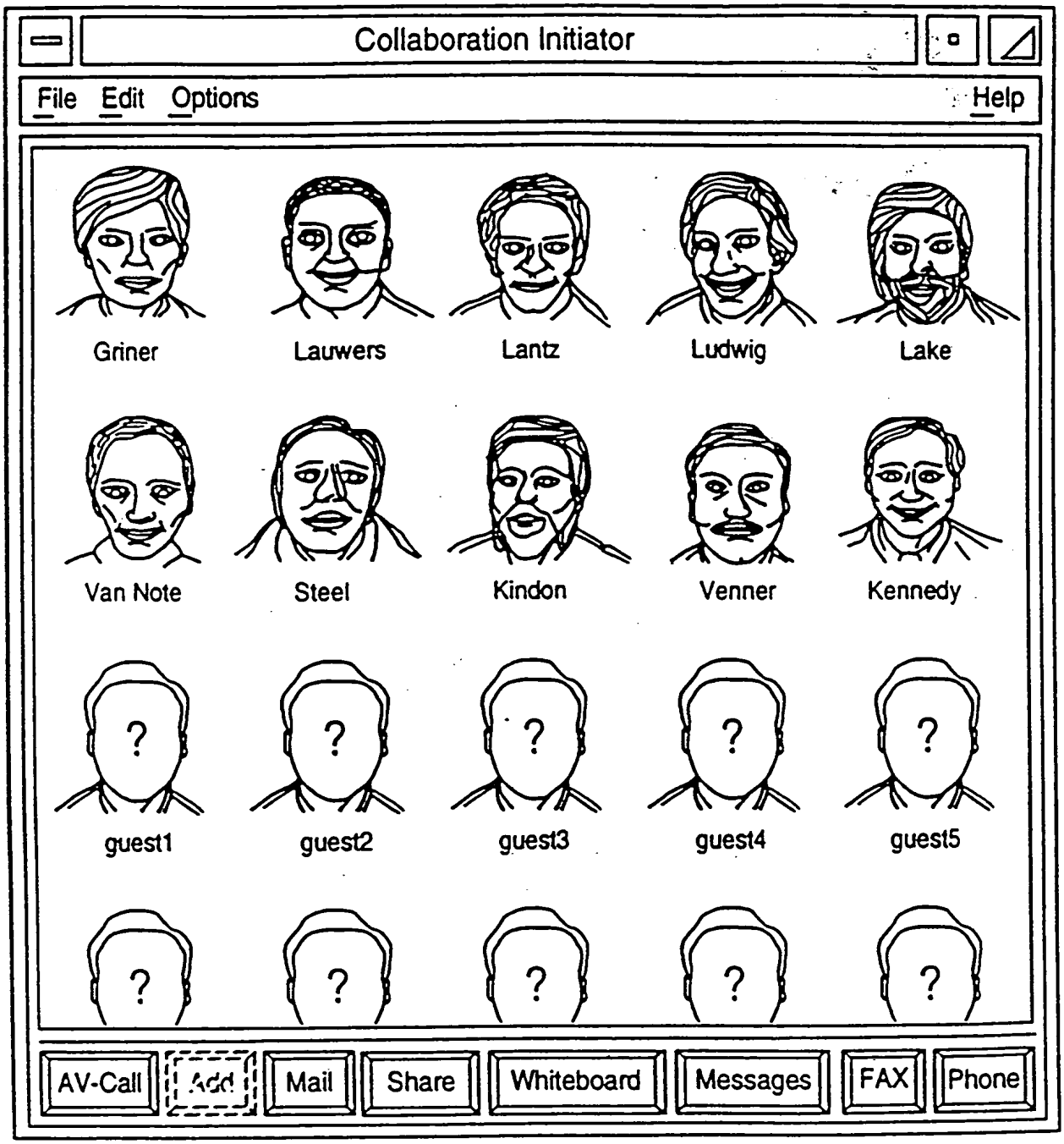
Collaboration Initiator
File Edit Options Help
Griner
Lauwers
Lantz
Ludwig
Lake
Van Note
Steel
Kindon
Venner
Kennedy
guest1
guest2
guest3
guest4
guest5
AV-Call
Add
Mail
Share
Whiteboard
Messages
FAX
Phone

FIGURE 22

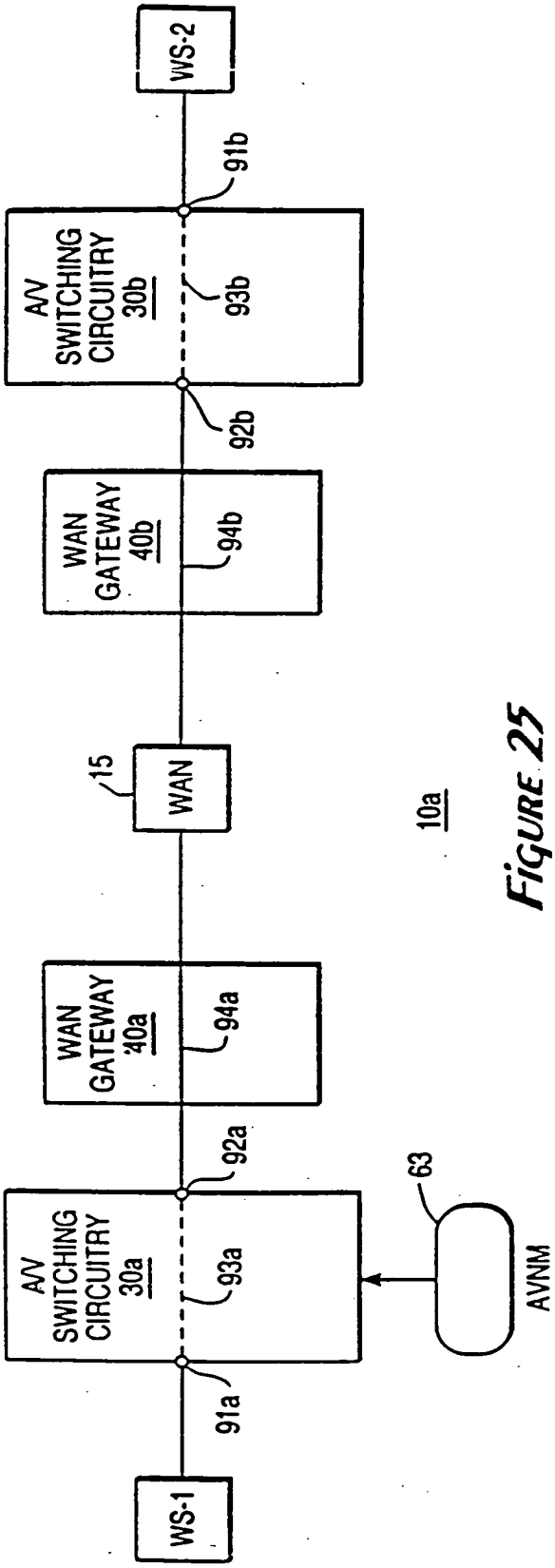

FIGURE 25

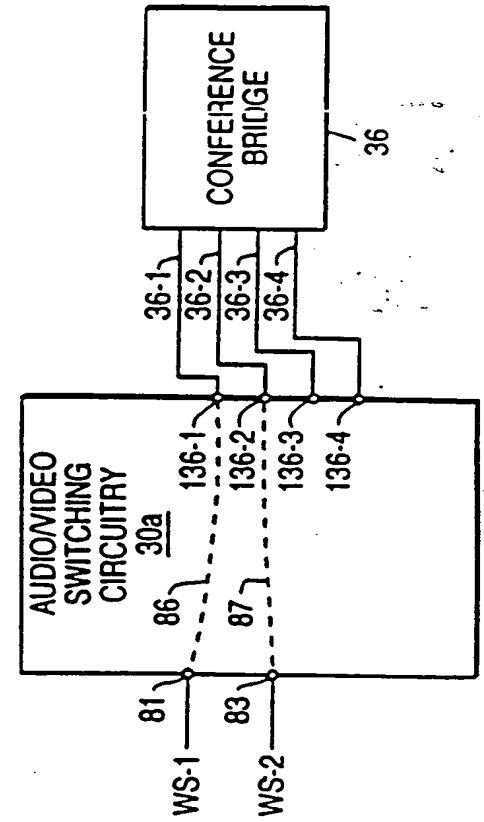

FIGURE 27

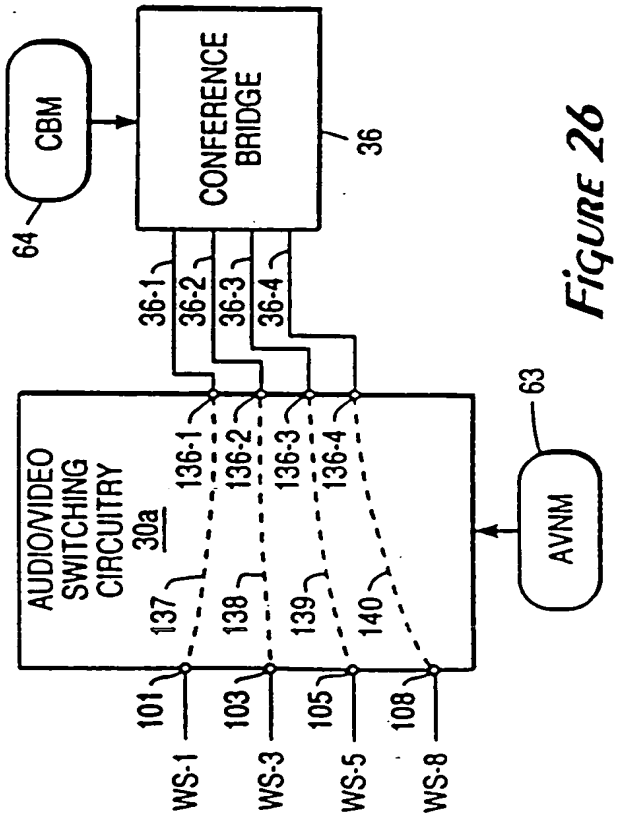

FIGURE 26

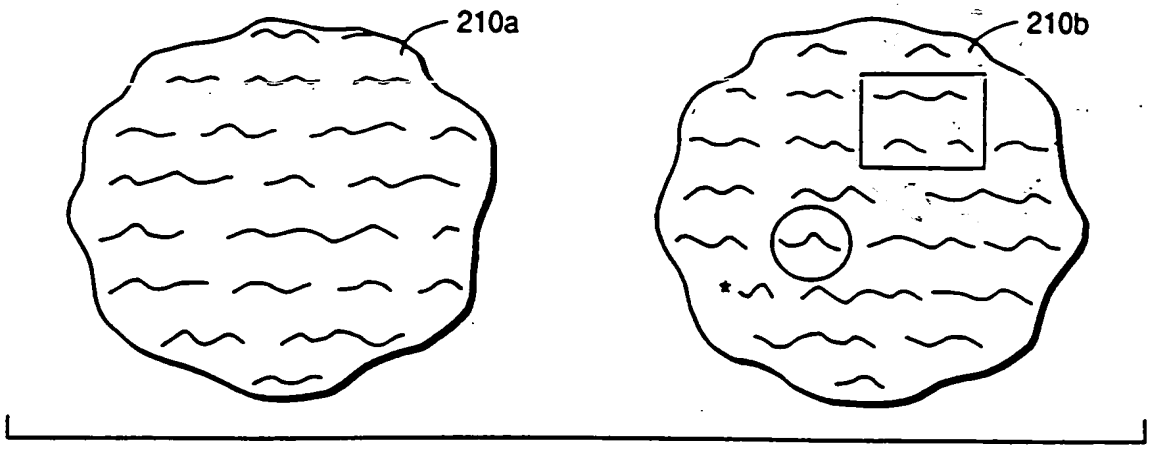

FIGURE 28

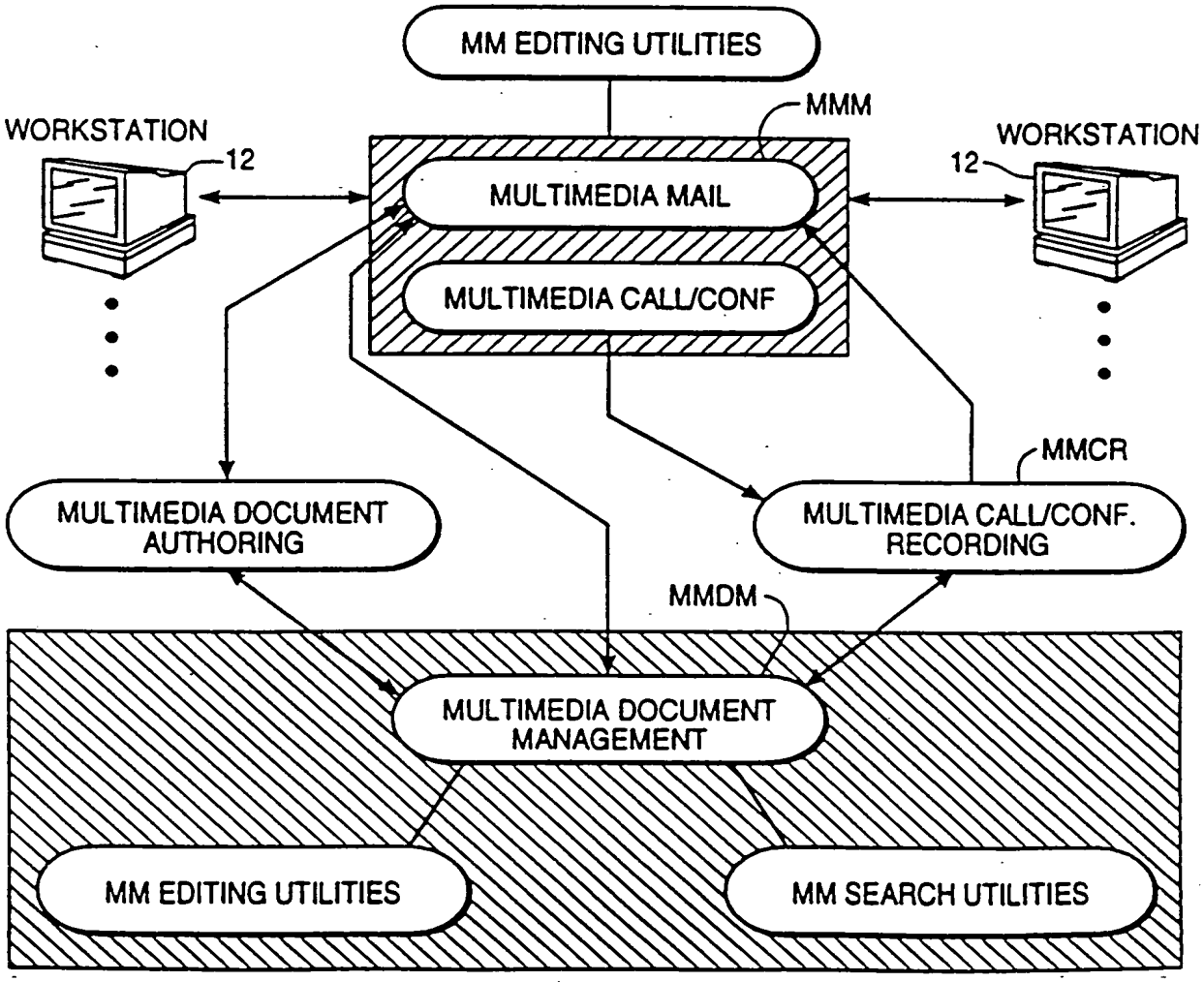

FIGURE 29

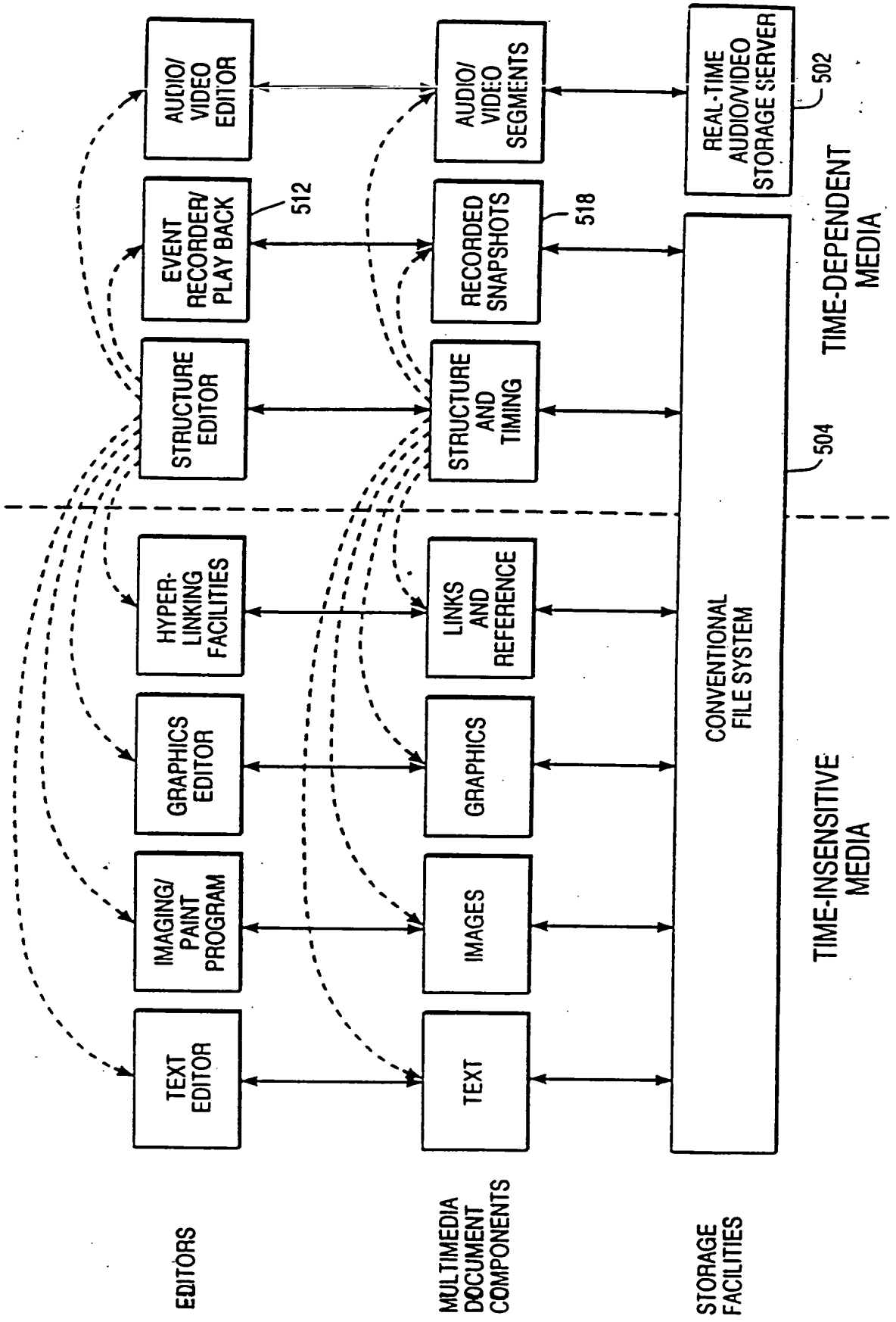
AUDIO/ VIDEO EDITOR
EVENT RECORDER/ PLAY BACK
512
STRUCTURE EDITOR
HYPER-LINKING FACILITIES
GRAPHICS EDITOR
IMAGING/ PAINT PROGRAM
TEXT EDITOR
AUDIO/ VIDEO SEGMENTS
RECORDED SNAPSHOTS
518
STRUCTURE AND TIMING
LINKS AND REFERENCE
GRAPHICS
IMAGES
TEXT
REAL-TIME AUDIO/VIDEO STORAGE SERVER
502
CONVENTIONAL FILE SYSTEM
504
TIME-DEPENDENT MEDIA
TIME-INSENSITIVE MEDIA
EDITORS
MULTIMEDIA DOCUMENT COMPONENTS
STORAGE FACILITIES

FIGURE 30

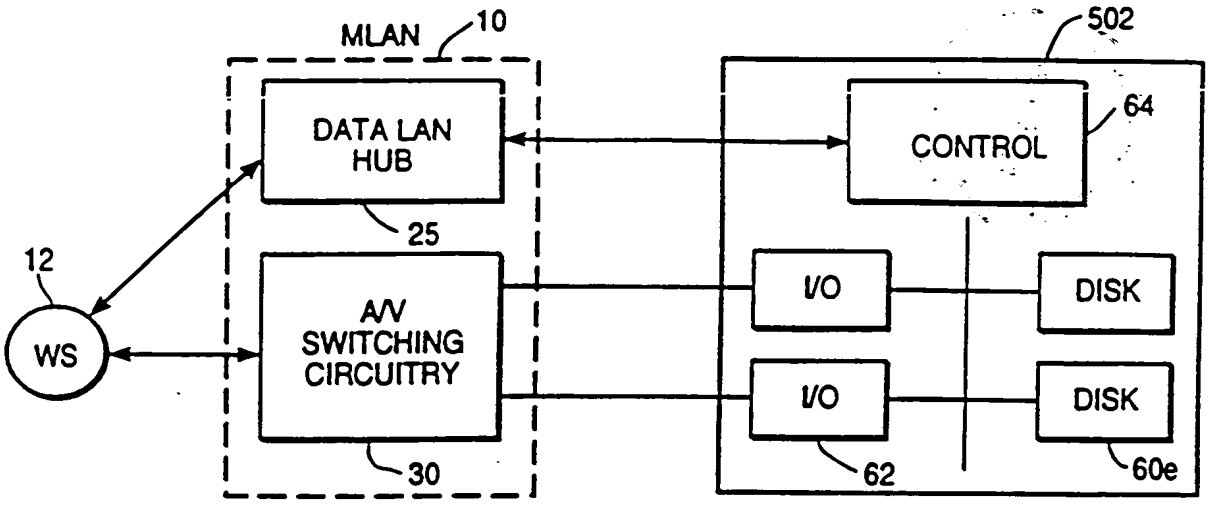

FIGURE 31A

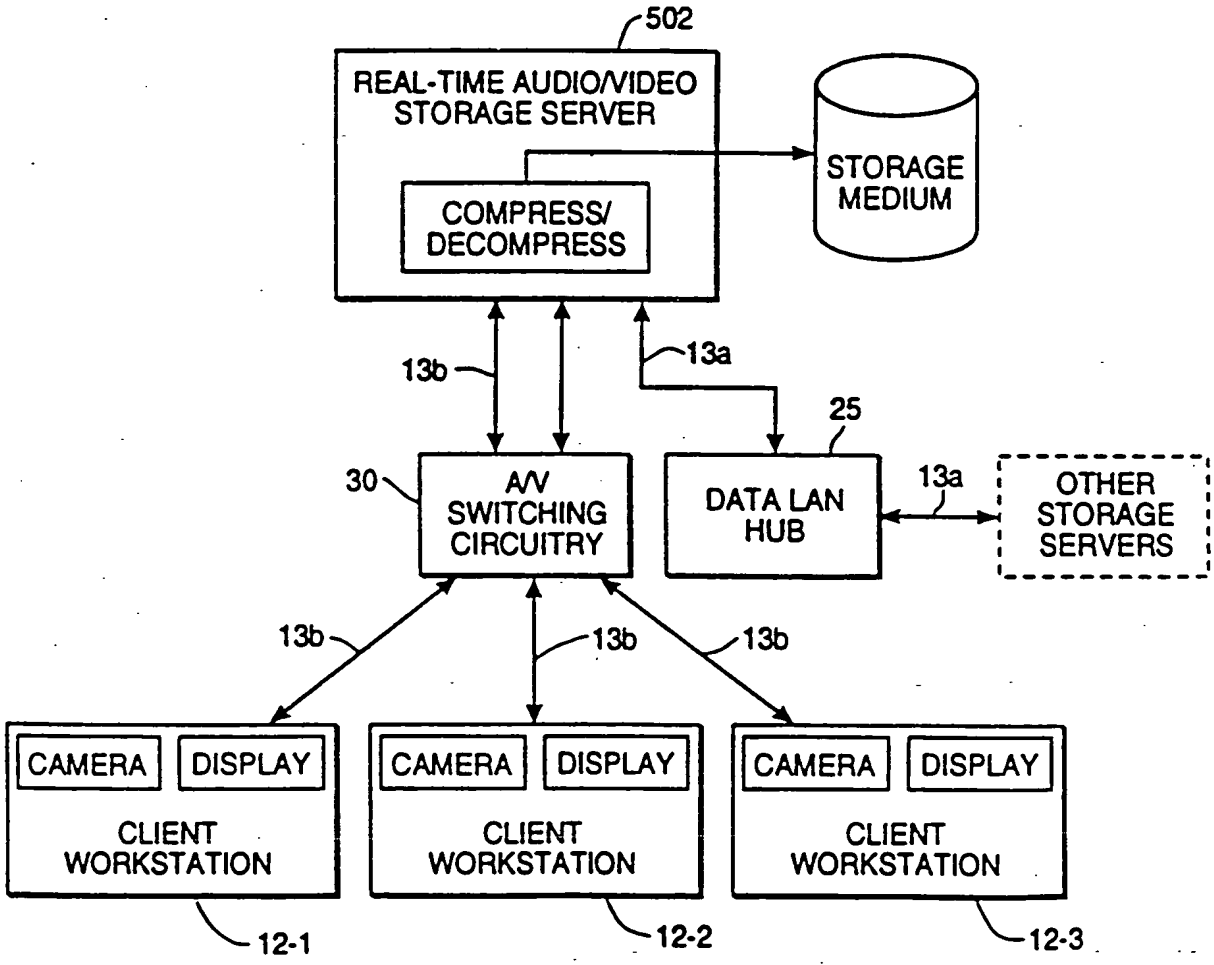

FIGURE 31B

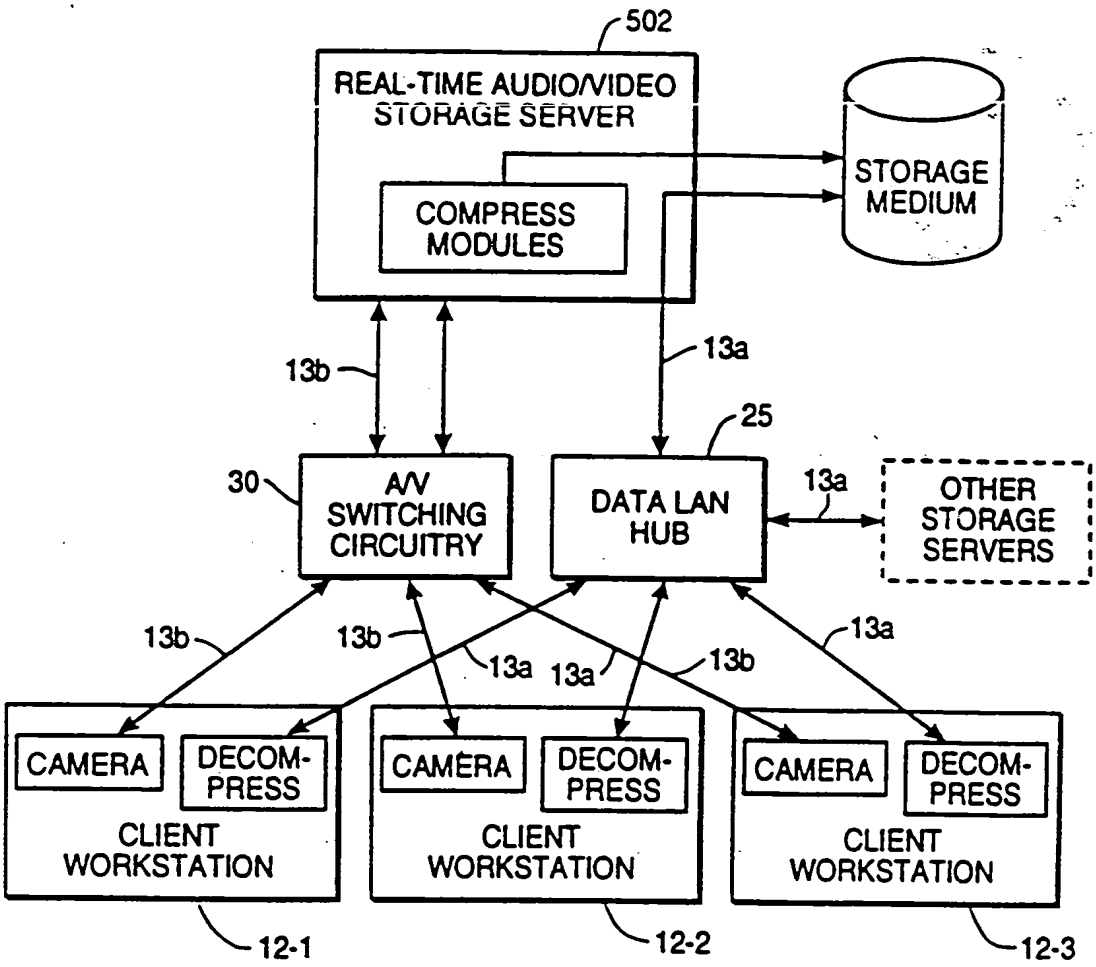

FIGURE 31C

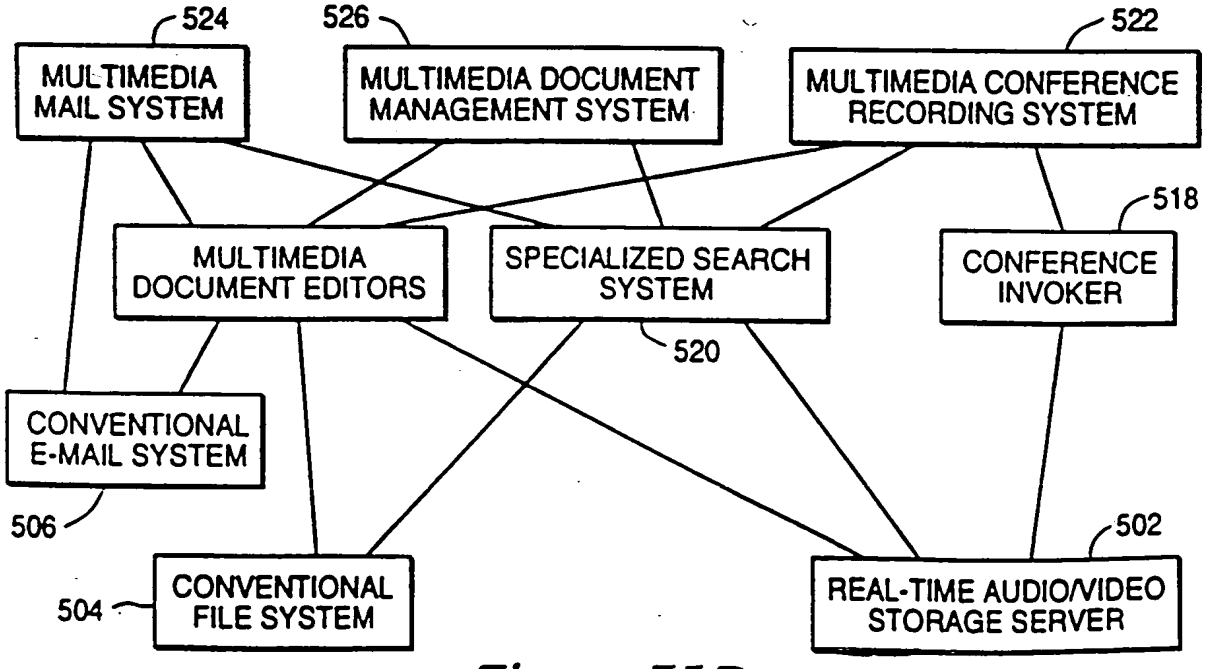

FIGURE 31D

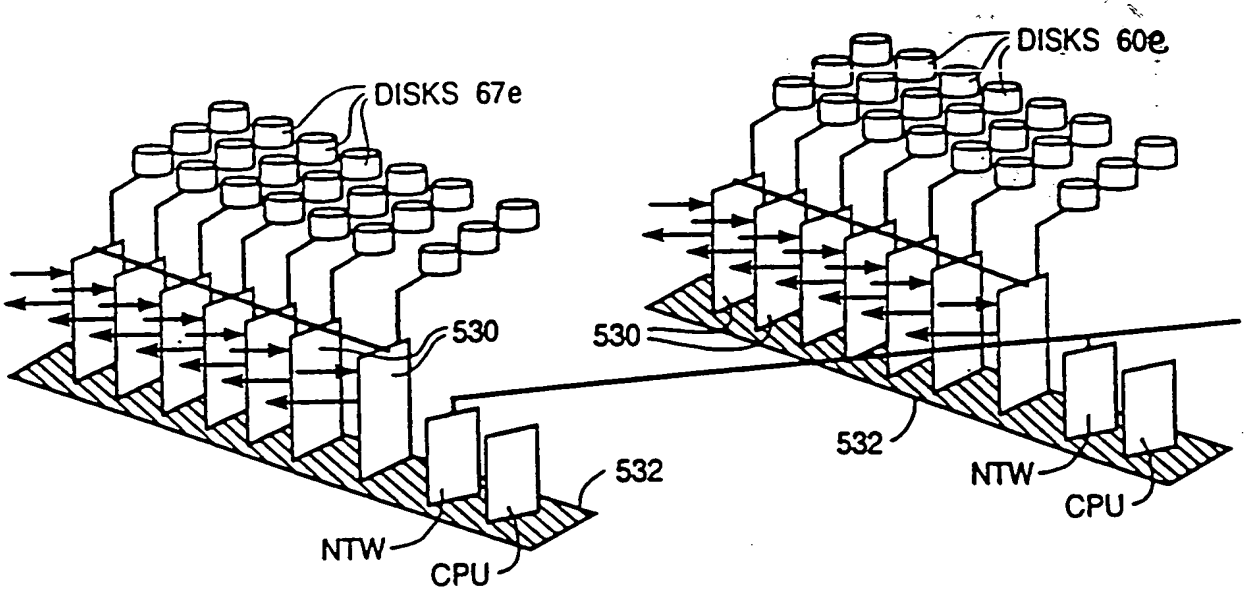

FIGURE 32

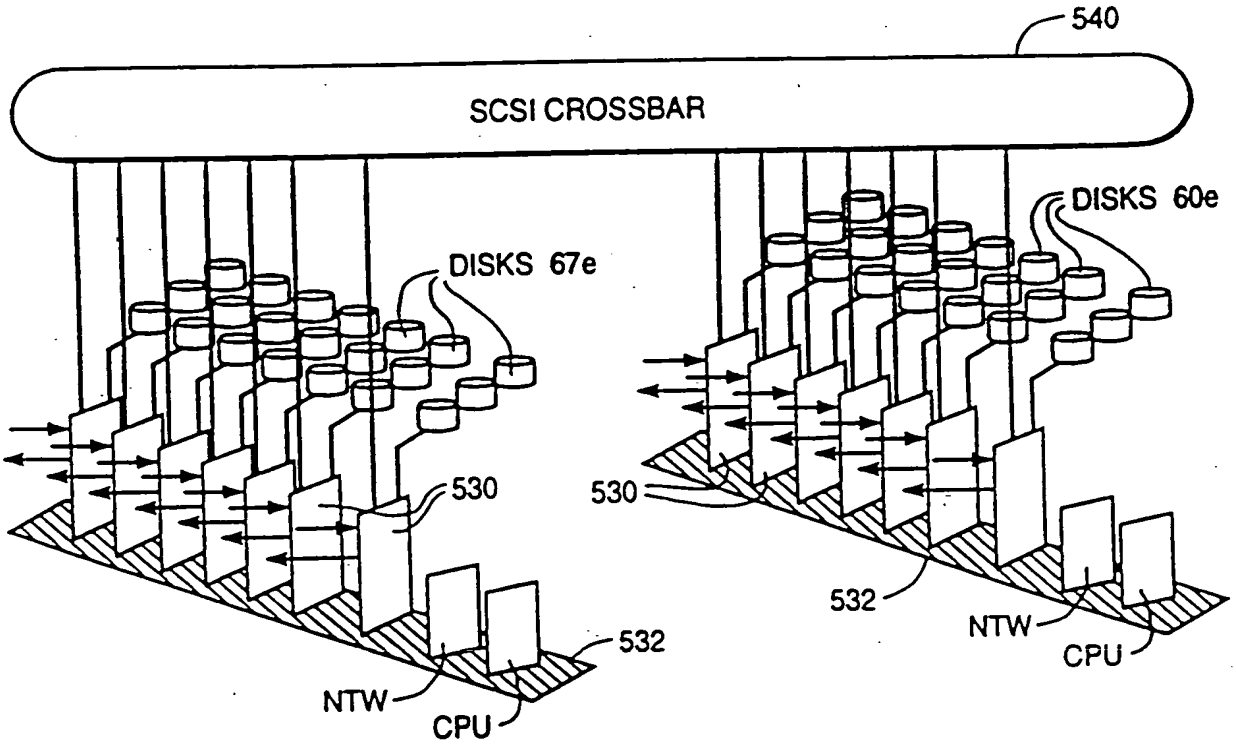

FIGURE 33

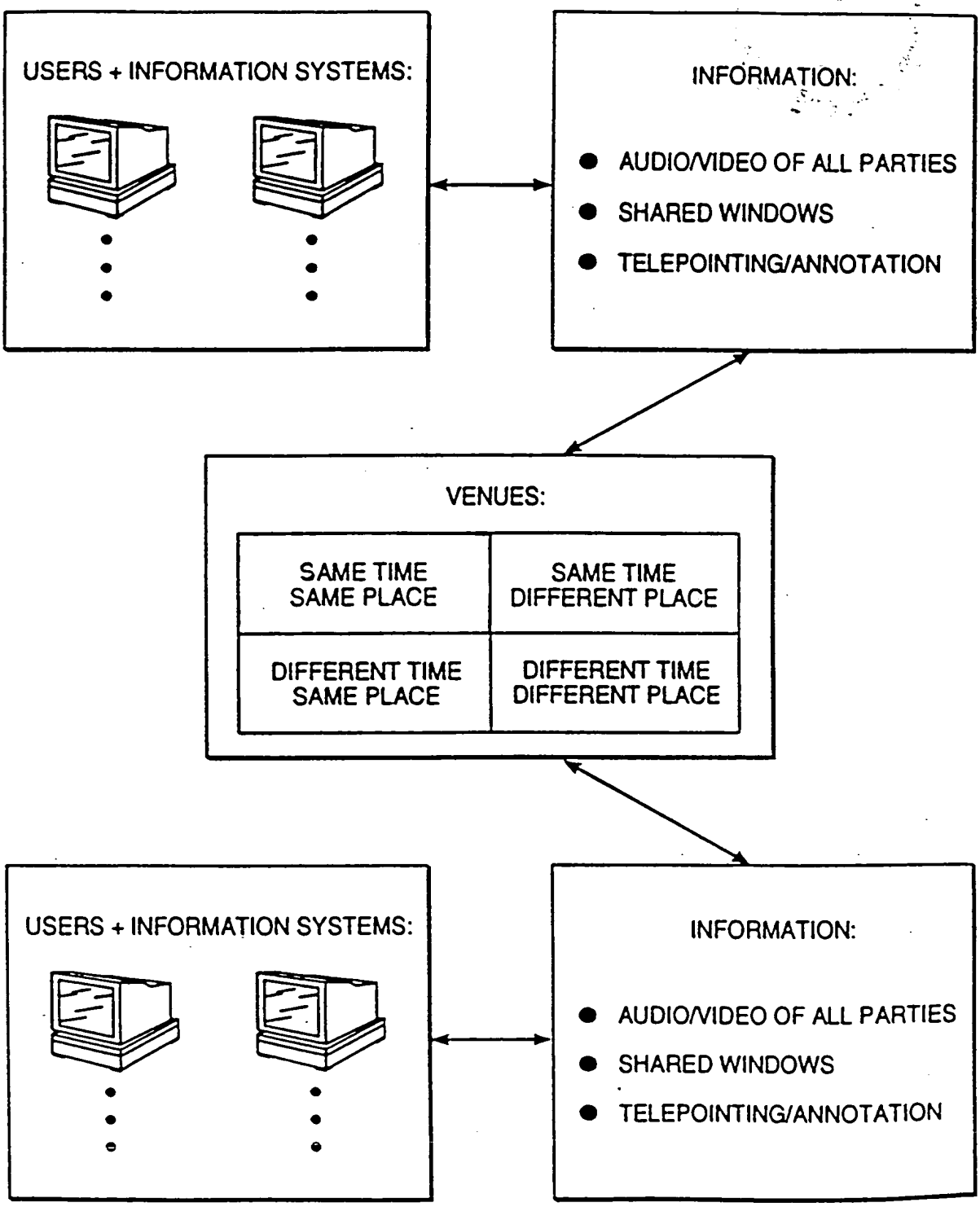
USERS + INFORMATION SYSTEMS:
INFORMATION:
AUDIO/VIDEO OF ALL PARTIES
SHARED WINDOWS
TELEPOINTING/ANNOTATION
VENUES:
SAME TIME SAME PLACE
SAME TIME DIFFERENT PLACE
DIFFERENT TIME SAME PLACE
DIFFERENT TIME DIFFERENT PLACE
USERS + INFORMATION SYSTEMS:
INFORMATION:
AUDIO/VIDEO OF ALL PARTIES
SHARED WINDOWS
TELEPOINTING/ANNOTATION

FIGURE 34

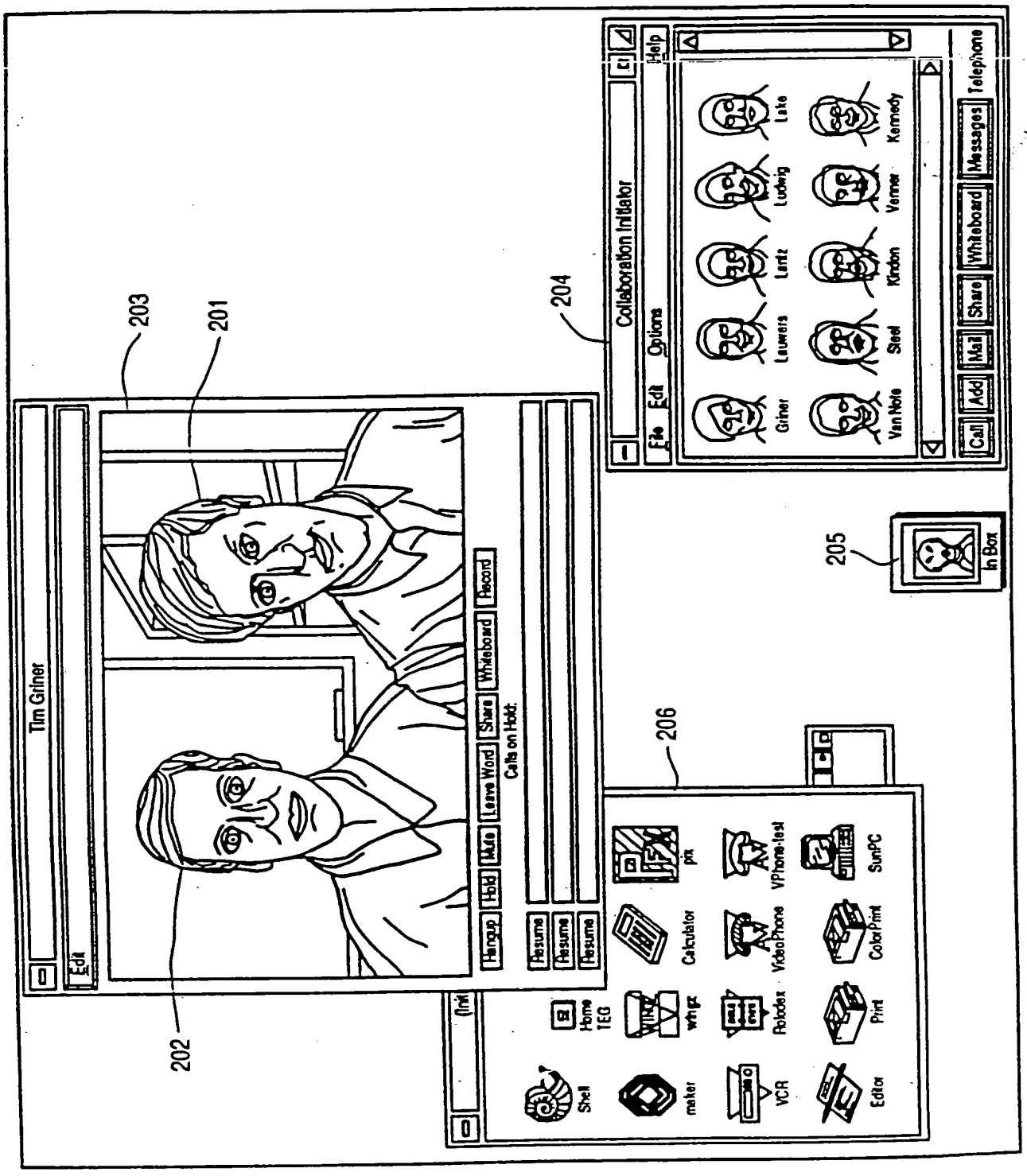
203
201
204
205
206
202
Tim Griner
Edit
Hangup
Hold
Mute
Leave Word
Share
Whiteboard
Record
Calls on Hold:
Resume
Resume
Resume
Collaboration Initiator
File
Edit
Options
Help
Griner
Lauweis
Lantz
Kinston
Steel
Van Note
Ludwig
Verner
Lotz
Kennedy
Call
Add
Mail
Share
Whiteboard
Messages
Telephone
In Box
pm
VPhone-test
SunPC
Calculator
VideoPhone
ColorPrint
whgr
Rolodex
Print
maker
VCR
Editor
Shell
Home TEG

FIGURE 35

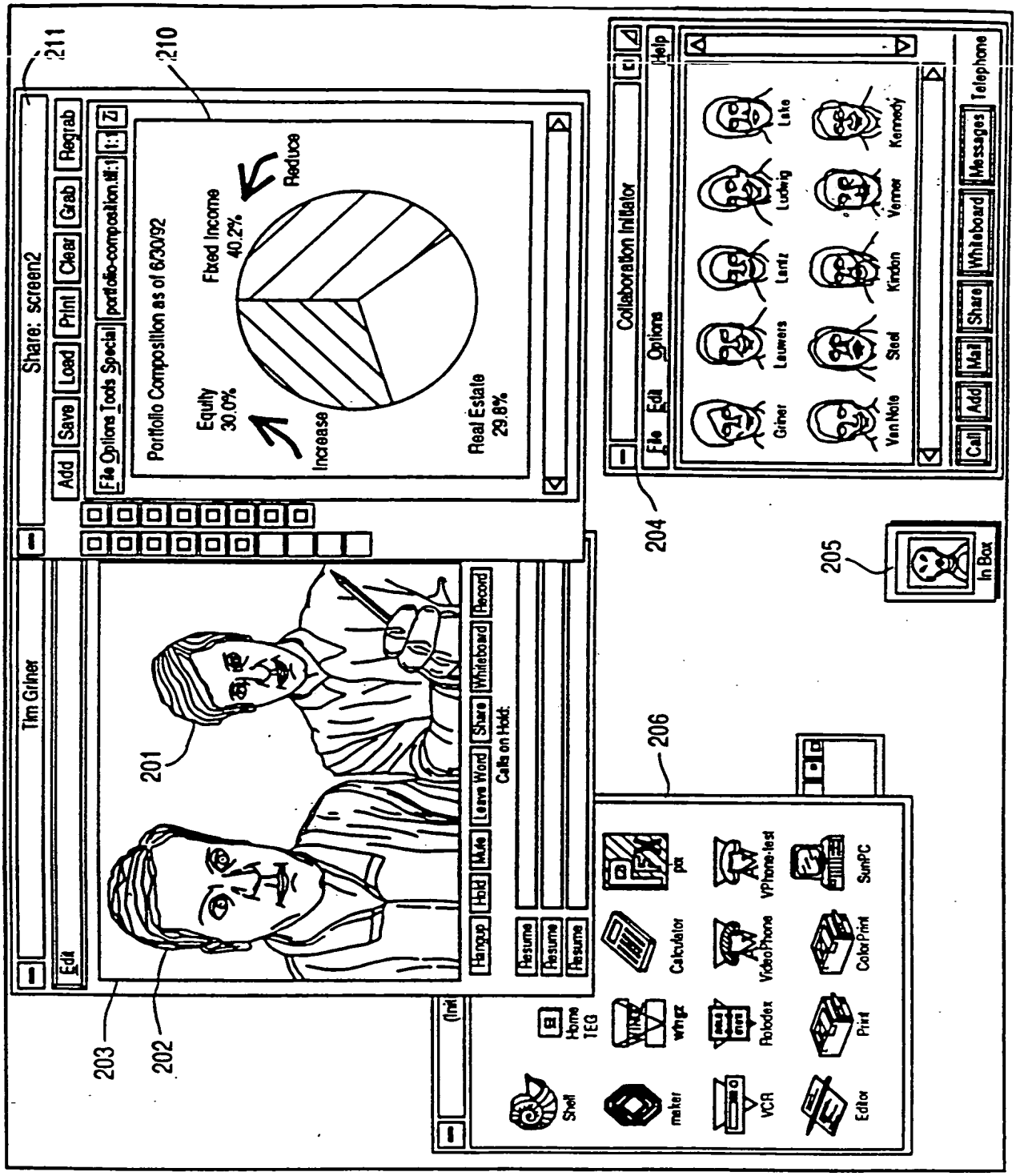
211
210
Share: screen2
Add
Save
Load
Print
Clear
Grab
Regrab
File Options Tools Special
portfolio-composition.tif
Portfolio Composition as of 6/30/92
Fixed Income
40.2%
Reduce
Equity
30.0%
Increase
Real Estate
29.8%
Collaboration Initiator
File Edit Options
Help
Griner
Leuwers
Lantz
Kindon
Sted
VanNote
Lake
Ludwig
Verma
Kennedy
Call
Add
Mail
Share
Whiteboard
Messages
Telephone
204
205
In Box
Tim Griner
Edit
201
202
203
Hangup
Hold
Mute
Leave Word
Share
Whiteboard
Record
Calls on Hold:
Resume
Resume
Resume
206
Home
TEQ
Shell
pix
Calculator
whigz
maker
VPhone-test
VideoPhone
Rolodex
VCR
SunPC
ColorPrint
Print
Editor

FIGURE 36

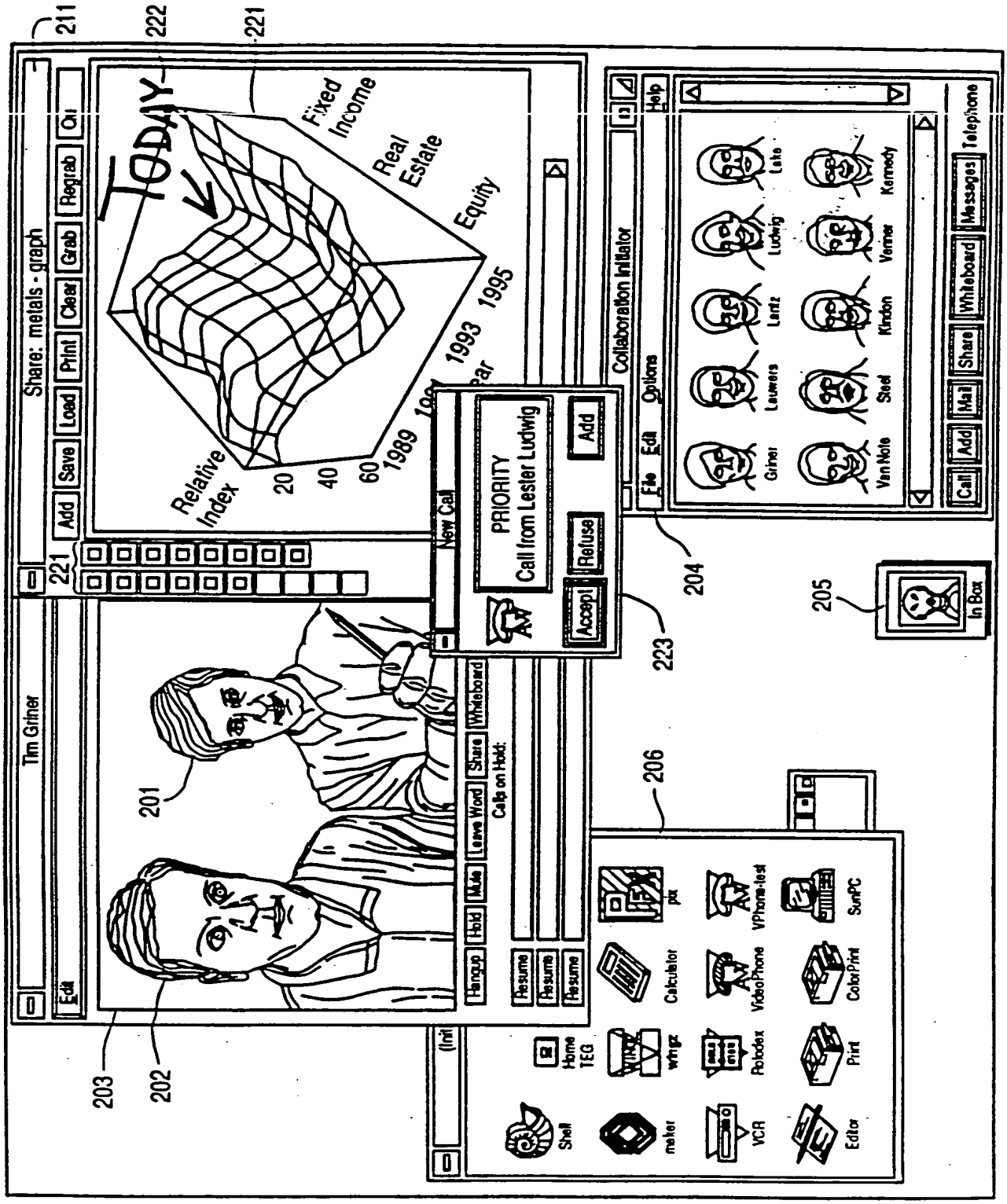
211
222
221
Share: metals - graph
Add
Save
Load
Print
Clear
Grab
Regrab
Qu
TODAY
Fixed Income
Real Estate
Equity
Relative Index
20
40
60
1989
1993
1995
Tim Griner
Edit
221
201
203
202
New Call
PRIORITY
Call from Lester Ludwig
Add
Refuse
Accept
223
Hangup
Hold
Mute
Leave Word
Share
Whiteboard
Calls on Hold:
Resume
Collaboration Initiator
File
Edit
Options
Help
204
Griner
Lauwers
Lantz
Lake
Ludwig
Kindon
Kennedy
Vernier
Van Note
Steel
Call
Add
Mail
Share
Whiteboard
Messages
Telephone
205
In Box
206
Home TEG
Shell
Calculator
VideoPhone
Rolodex
VCR
Print
ColorPrint
Editor
SunPC

FIGURE 37

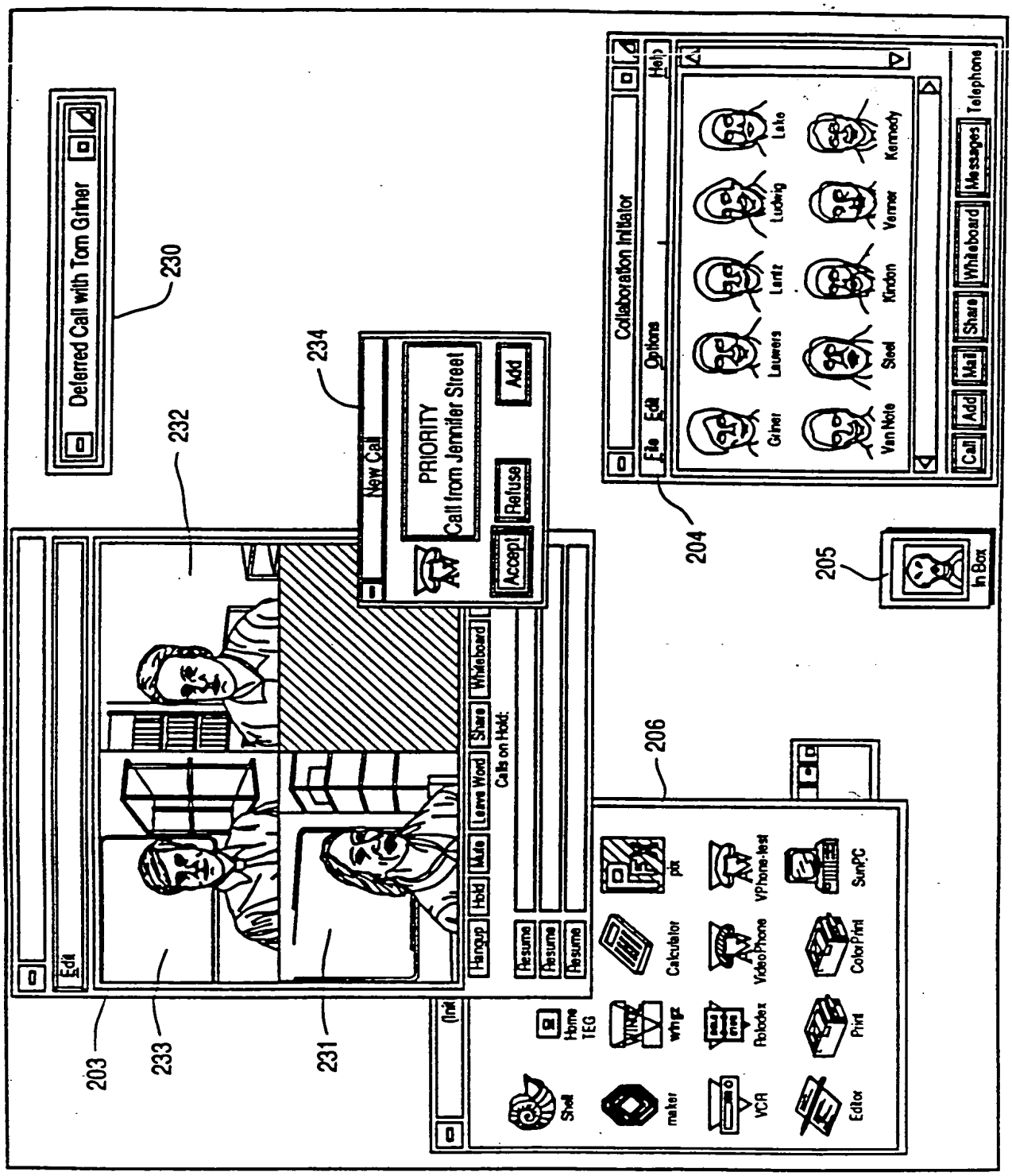
Deferred Call with Tom Griner
230
234
232
New Call
PRIORITY
Call from Jennifer Street
Add
Accept
Refuse
Collaboration Initiator
File Edit Options Help
Griner
Lauwers
Steel
VanNote
Lentz
Kindon
Ludwig
Verner
Lake
Kennedy
Call
Add
Mail
Share
Whiteboard
Messages
Telephone
204
205
In Box
206
Edit
Hangup
Hold
Mute
Leave Word
Share
Whiteboard
Calls on Hold:
Resume
Resume
Resume
203
233
231
Home TEG
Shell
whgz
maker
Calculator
VideoPhone
Rolodex
VCR
VPhone-Host
ColorPrint
Print
Editor
SunPC

FIGURE 38

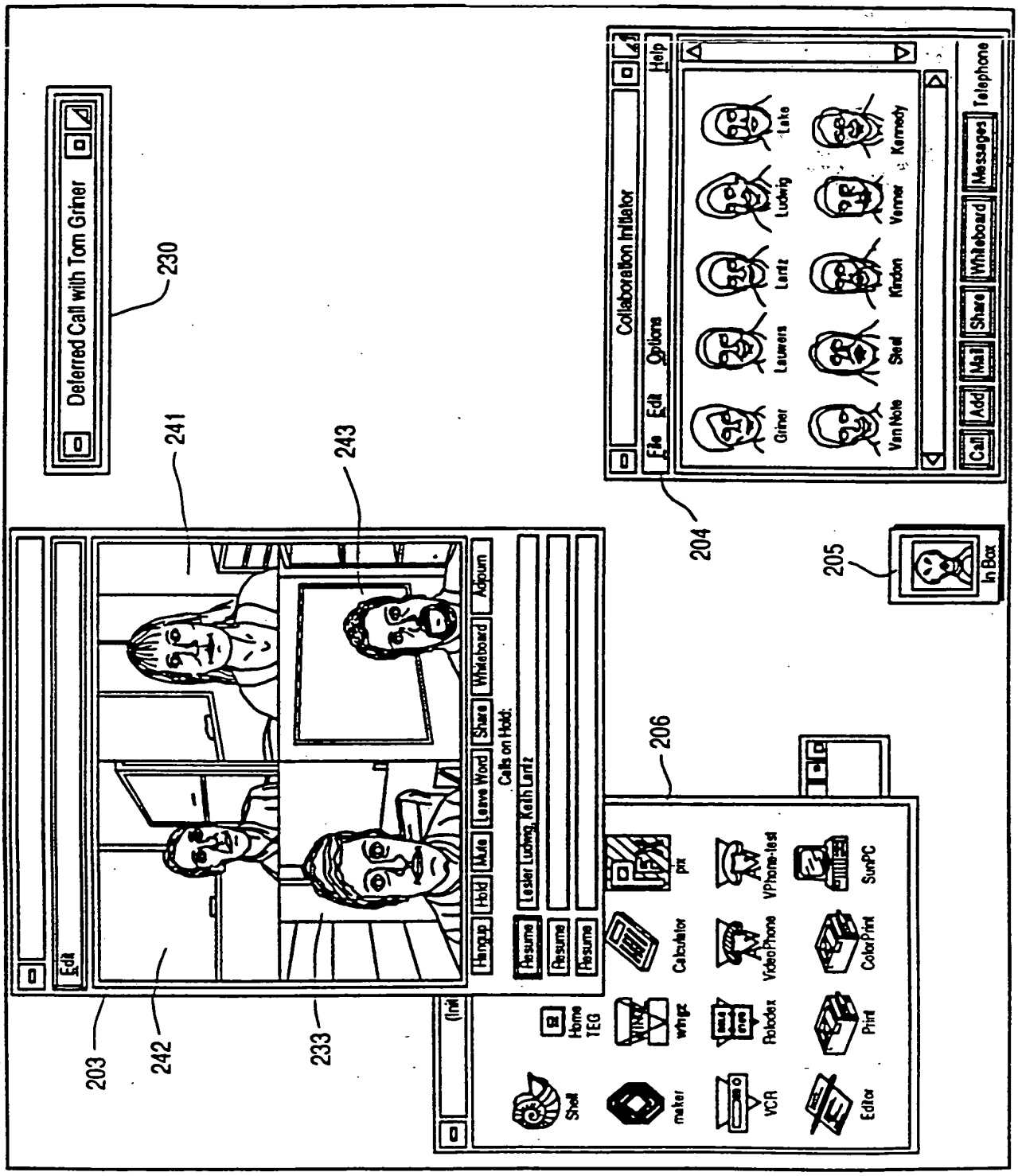
Deferred Call with Tom Griner
230
241
243
Collaboration Initiator
File Edit Options Help
Griner
Lauvens
Shell
Van Nate
Lake
Ludwig
Lantz
Kinton
Kennedy
Vonner
Call
Add
Mail
Share
Whiteboard
Messages
Telephone
204
205
In Box
206
Edit
Hangup
Hold
Mute
Leave Word
Share
Whiteboard
Adjourn
Calls on Hold:
Lester Ludwig, Keith Lantz
Resume
Resume
Resume
203
242
233
Home TEG
Shell
maker
VCR
Editor
Print
Calculator
VideoPhone
ColorPrint
pix
VPhone-test
SunPC

FIGURE 39

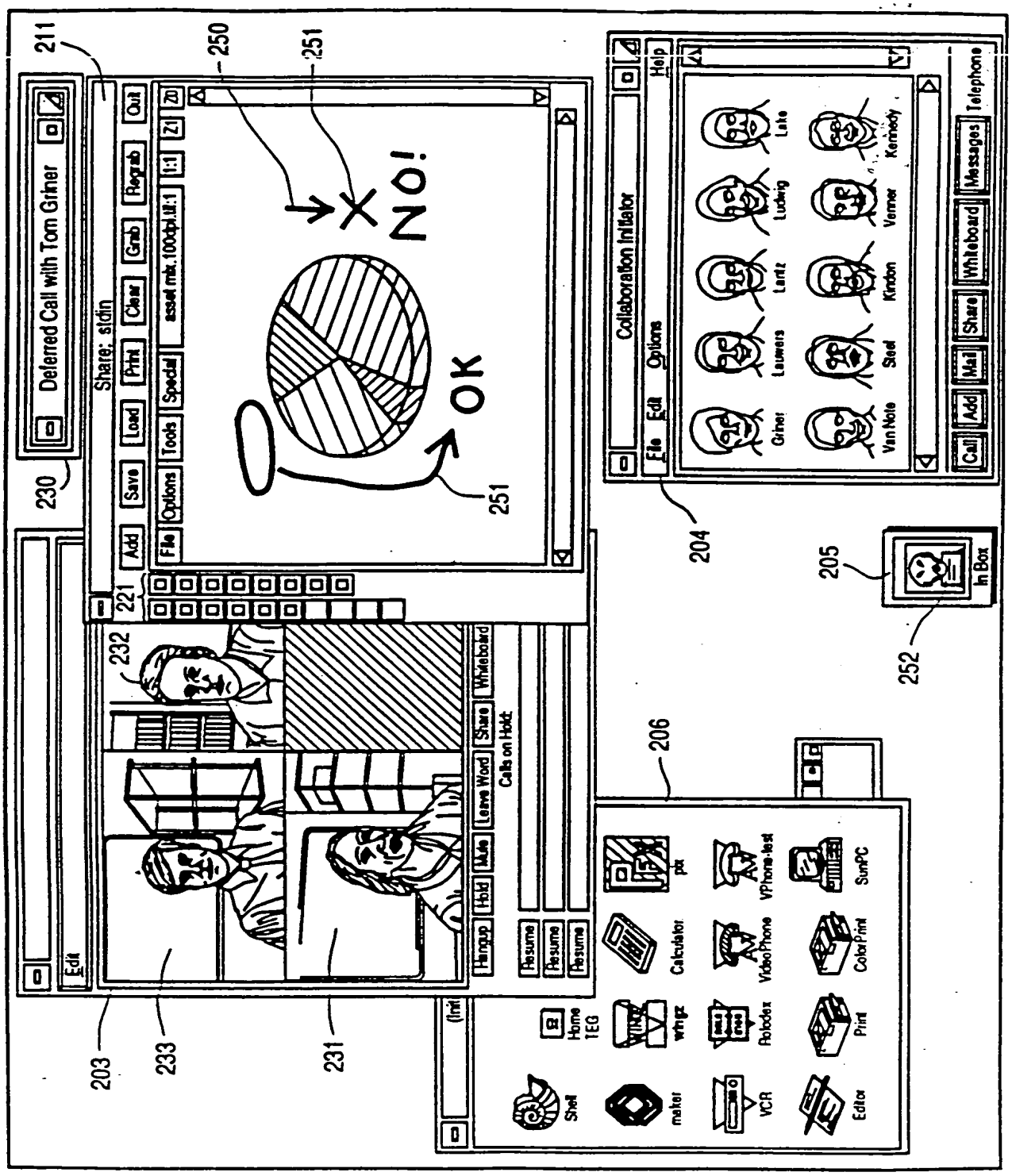
211
250
251
230
204
205
252
206
203
233
231
232
221
Deferred Call with Tom Grher
Share: stdin
Collaboration Initiator
In Box
NO!
OK

FIGURE 40

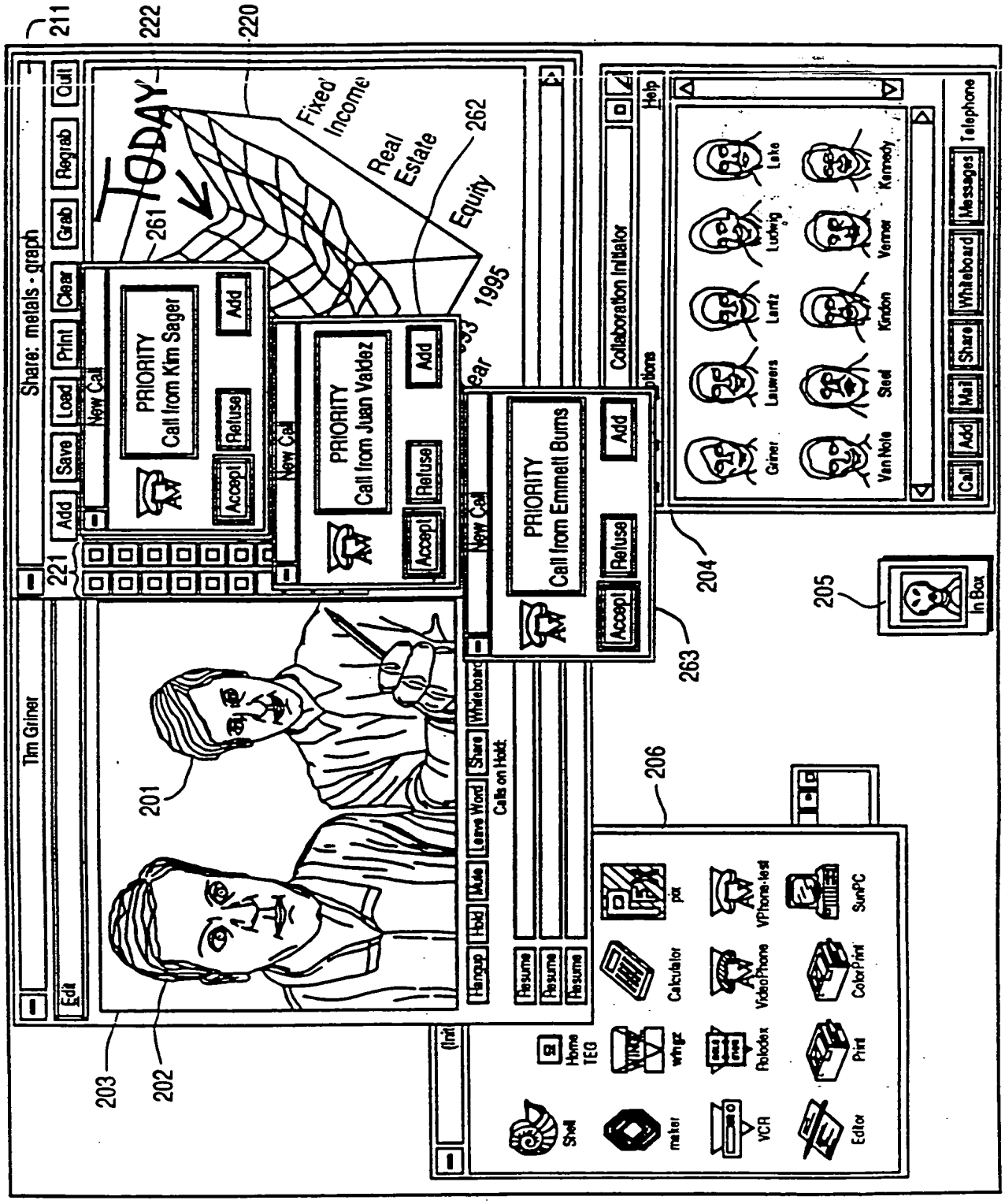
211
222
220
Share: metals - graph
Quit
Regrab
Grab
Clear
Print
Load
Save
Add
TODAY
Fixed Income
Real Estate
Equity
262
261
1995
PRIORITY
Call from Kim Sager
Refuse
Accept
New Call
PRIORITY
Call from Juan Valdez
PRIORITY
Call from Emmett Burns
Collaboration Initiator
Help
Griner
Lauwers
Steel
Van Nole
Lake
Ludwig
Lantz
Kindon
Kennedy
Vonner
Telephone
Messages
Whiteboard
Share
Mail
Call
In Box
204
205
263
221
201
202
203
206
Tim Griner
Edit
Hangup
Hold
Mute
Leave Word
Share
Whiteboard
Calls on Hold:
Resume
Home TEG
whgc
Paradox
Print
Shell
maker
VCR
Editor
Calculator
VideoPhone
ColorPrint
pix
VPhone-test
SunPC

FIGURE 41

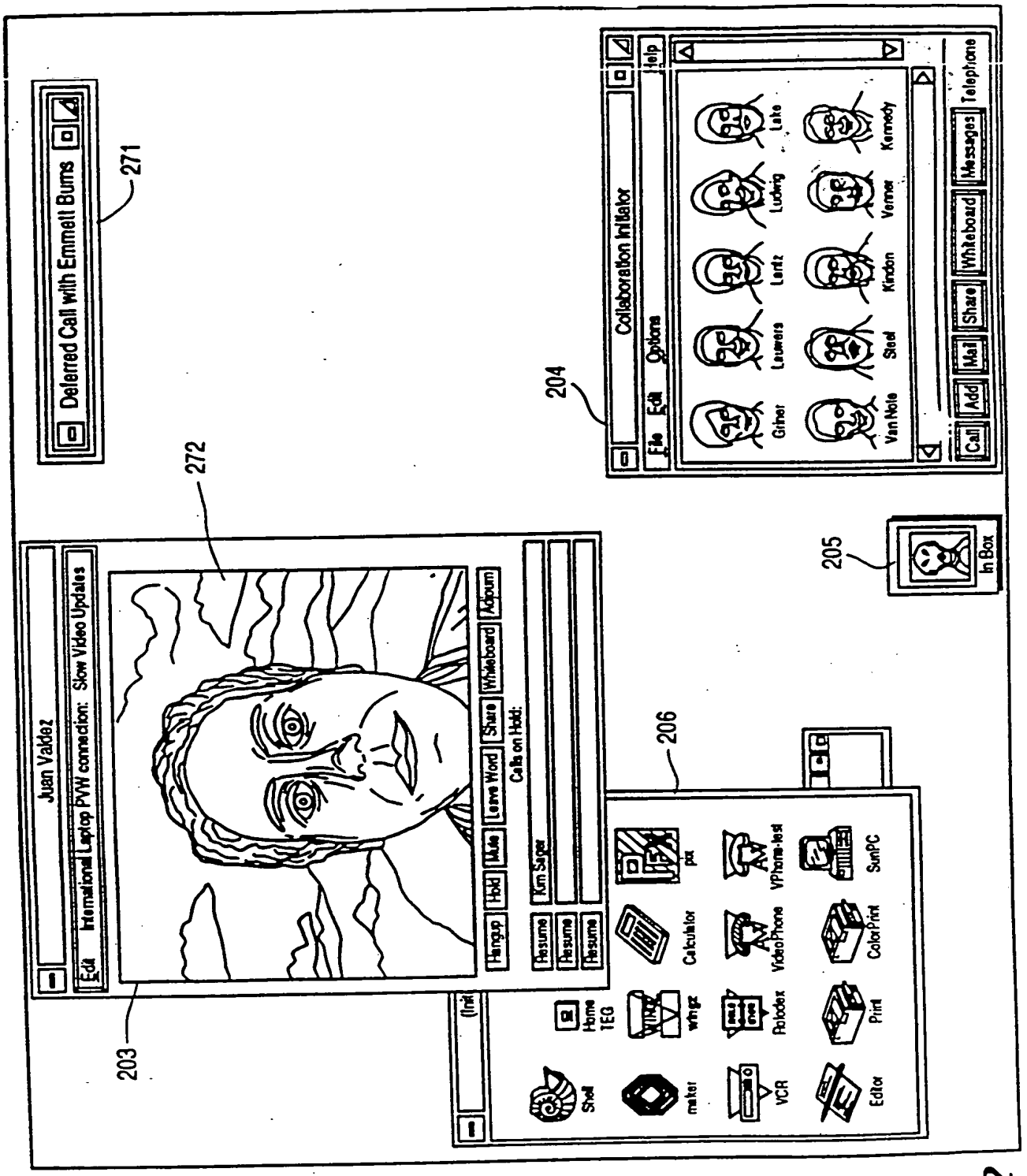
Deferred Call with Emmett Burns
271
Collaboration Initiator
File Edit Options Help
Call Add Mail Share Whiteboard Messages Telephone
Gilbert Laurels Lantz Kindon Steel Van Nole
Lake Ludwig Verner Kennedy
204
272
Juan Valdez
Edit International Laptop PVW connection: Slow Video Updates
Hangup Hold Mute Leave Word Share Whiteboard Album
Calls on Hold:
Kim Sayer
Resume Resume Resume
In Box
205
206
Home IEG
Shell
Calculator
VideoPhone
Rolodex
VCR
Print
Editor
ColorPrint
SunPC
203

FIGURE 42